

U.S. Department of Transportation

**ISSUE: 98-07** 

Federal Aviation
Administration





February 8, 1998 - February 14, 1998

### Summary

**GENERAL AVIATION, ZAC-327** 

You can improve Air Safety by reporting the problem when you see it!

### **SECTION**

- I Significant Occurence Report
- **II Domestic Service Difficulty Report**
- III International Service Difficulty Report
- IV SDR Totals by District Office
- V Index By Aircraft Make and Model
- VI Joint Aircraft System/Component Code Table



### **SDR SUMMARY**

General Aviation, ZAC-327



This summary includes domestic (United States) Service Difficulty Reports (SDRs) entered into the data base for aircraft weighing 12,500 lbs. and below. It also includes reports on aeronautical products (engines, propellers, and components), and all helicopters. A separate section for International SDRs for aircraft weighing 12,500 lbs. and under has also been included. Under a data exchange agreement, International SDRs are submitted to the FAA by the Civil Aviation Authority of other countries (currently, Canada - CAN, and Australia - AUS). All reports are sorted by aircraft make, model group (basic model), and Joint Aircraft System/Component (JASC) code. Within each aircraft model group, the specific model shown may vary, but similar types of reports will be grouped together and listed in ascending order by their JASC code. Each field contains all information submitted to the FAA. Some fields are not included in order to make the summary easier to read. Additional information may be obtained by referring to the "operator control number." Send your request to the Aviation Data Systems Branch, AFS-620 at the address or phone below.

The Regulatory Support Division (AFS-600) has established a "HomePage" on the Internet through which the same information is available. There is a large quantity of other information available through the AFS-600 HomePage such as the most current SDR system codes (i.e., Joint Aircraft System\Component Codes). The SDR Question and Answer Section of the Summary will also be transferred to the AFS-600 HomePage to simplify the process of preparing the SDR Summaries in the PDF format each week. There are "hot buttons" to take you to other locations and sites where FAA Flight Standards Service Information is available. The AFS-600 "HomePage" address is:

### http://www.mmac.jccbi.gov/afs/afs600

"The Service Difficulty Reports in this publication are derived from unverified information submitted by the aviation community without FAA verification for accuracy. The number of SDRs submitted is not an indication of the mechanical reliability or fitness of an airline or individual operator, and the information should not be used as such."

Comments are welcomed and may be directed to:

Federal Aviation Administration Aviation Data Systems Branch, AFS-620 P.O. Box 25082 Oklahoma City, OK 73125-5029

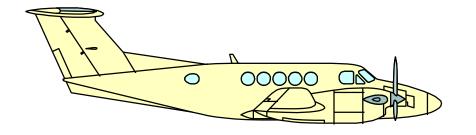
Phone: (405) 954-4171, Fax: (405) 954-4748

Your continued participation is essential and is an integral part of ensuring aviation safety. Thank you for supporting the Service Difficulty Program! If you have any questions regarding this special notice you can contact John Jackson at (405) 954-6486, or Jim Gillespie at (405) 954-1141, or Blake McDonald at (405) 954-0307 in the Aviation Systems Branch (AFS-620). Their E-mail addresses are:

john\_e\_jackson@mmacmail.jccbi.gov

james\_gillespie@mmacmail.jccbi.gov

blake\_mcdonald@mmacmail.jccbi.gov



# SIGNIFICANT OCCURRENCE REPORT





### THE SIGNIFICANT OCCURRENCE REPORT



The Significant Occurrence Report is a compilation all of the star bordered reports that appear in the General Aviation Service Difficulty Report (SDR) Summary, ZAC-327. The Significant Occurrence Report is used to highlight industry problem areas to field inspectors and the aviation public.

Limited analysis is performed by the Aviation Data Systems Branch, AFS-620 during the preparation of the "Significant Occurrence Report", which is generated each week and is included in the front of the Air Carrier SDR Summary. Significant Reports are hand selected by AFS-620's inspectors based on the individual merit of each report. The criteria for selection includes, but is not limited to, items that indicate high failure rates; items related to accidents or incidents; or design or maintenance failures which may affect the safe operation of the aircraft.

In some cases, this limited analysis of SDR data leads to the preparation of information bulletins which are routed to the appropriate product certification office for further investigation of the problem. The end result may be the issuance of an airworthiness directive (AD) by the Aircraft Certification Service (AIR) if warranted.

The Significant Occurrence Report (section I) of the weekly SDR Summary is not intended to be a summary of all significant events and should not be used as such. We recommend that you review further the applicable sections of the SDR summary that may be of interest.

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5310	120VT	AMTR				FRAME	CRACKED		1/22/98
	0222	MINI500					M/R GEARBOX		98ZZZX502
****	STRUCTURE MAY ROTOR MAST. TH	BE OF TOO THIN MAT	ERIAL. SUBMITTER NOT CONCENTRIC W	BELIEVES CRACKS F TTH THE OUTSIDE. T	FORM BECAUSE OF THE LOWER SWASH	THE INABILITY TO TRACE IPLATE ATTACHES TO THE	ME ANYWHERE FROM 6 HC K AND BALANCE ROTOR BI E INSIDE OF SHAFT AND NO	ECAUSE OF	A FLAW IN THE MAIN
6230	120VT	AMTR				SHAFT	MISMANUFACTURED		1/22/98
	0222	MINI500					M/R		98ZZZX501
****	THE INSIDE OF RO	OTOR MAST IS NOT CO	NCENTRIC WITH OU	TSIDE. THE MAIN CO	ONTROL ASSEMBLY	Y (SWASHPLATE) BOLTS T	LAW. IT WAS MANUFACT O THE INSIDE OF THIS SHA INUE TO SELL THSE DEFE	FT AND NO	W HAS A SEVERE
8520	120VT	AMTR	ROTAX			ENGINE	SEIZED		1/16/98
	0222	MINI500	ROTAX582				CRANKSHAFT		98ZZZX486
****	COUNTEWEIGHT		E WAY REVOLUTION	N INSTALLS BEARING	ON END OF CLUTO	CH. IT IS HELD STATIONA	HAFT. SERVICE CENTER A RY WHICH DOES NOT ALL	OW END OF	CRANKSHAFT TO
5712	5ST	BEECH				RIB	CRACKED	7206	12/6/97
	BB289	200BEECH					WS 46,65,85		98ZZZX626
****							HERE THE STRINGER AND I		
5741	2MIL	BEECH				BOLT KIT	WRONG PARTS		1/20/98
UJJR	BC15	A200				10140261S	WING ATTACH		98ZZZX530
****	THE KIT DID NOT	HAVE A SMOOTH COM G SO AS NOT TO SET U	NTINUOUS OUTER RA	ADIUS WHICH IS NOT	ED IN BEECH 200 S	RM CH 57-17-01 PAGE 212,	ING 4 OF THESE KITS, NOT FIG 207. SMOOTH OUTER I ER SUGGESTED BETTER QO	RADIUS IS T	O GO AGAINST
3340	24017	BEECH				LIGHTS	NOT GROUNDED		1/13/98
	MC478	C24R					WING BONDING		98ZZZX638
****	DETERMINED THE	E WING ASSEMBLIES V	WERE NOT WELL GRO	DUNDED TO THE FUS	ELAGE. GROUND V	WIRES WERE ADDED BETV	D BOTH FUEL GAUGES TO F WEEN BOTH MAIN WING SI N ELECTRICAL EQUIPMEN	PARS AND T	HE FUSELAGE
7160	2012C	BEECH				BUSHING	WORN	8269	12/24/97
	TD430	B95			9591911419	9591911295	RT CARB AIR BOX		98ZZZX519
****	CARBURETOR HE	AT BOX TO BECOME I	LODGED IN THE CAR	BURETOR HEAT ON I	POSITION RESULTIN		9114-19 WORKED LOOSE C ITION FOR THE ENGINE. W HE ENGINE.		
7320	499CZ	BEECH	PWA			ROD END	DEFECTIVE		1/13/98
KCQA	U81	99A	PT6A27			3008787	CAM BOX TO FCU		98ZZZX534
****	ENGINE POWER W 1,129 HOURS.	OULD NOT DECREAS	E DUE TO TIGHT ROI	END CONNECTOR F	FROM CAM BOX TO	FCU DEFECTIVE. TAT: 30	0,824 HOURS. ENGINE TSN	4,295 HOUI	RS. ENGINE TSO:

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7310	8765J	BOLKMS	LYC			MANIFOLD	LEAKS		1/1/98
RMXA	S7054	BK117A4	LTS101650B1			43013761	ENGINE FUEL		98ZZZX568
****		S. OTHER OPERATORS				IAL IS IN THE PROCESS OF MS. OMNIFLIGHT HAS GO			
5553	51400	CESSNA				FITTING	CRACKED		12/19/97
	150699981	150J				04311481	VERTICAL STAB		98ZZZX557
****	INSPECTION FOU	ND VERTICAL STABILI	ZER ATTACH FITTIN	G CRACKED.					
7603	704AC	CESSNA				CABLE	FAILED	2306	1/24/98
	15078450	150M				S122217	THROTTLE		98ZZZX514
****		ΓED THESE ORIGINAL (				AT AND FAILED. THE WH ICE LIFE ON PLASTIC DET			
3221	7285Q	CESSNA				FITTING	CRACKED		1/19/98
VH3R	18260256	182P				07436062	NLG ATTACH		98ZZZX529
****		OSE GEAR TO THE AIRF				PARATED FROM THE ATTA D, A CRACK WAS FOUND I			
3222	323DC	CESSNA				TORQUE LINK	FAILED	3615	1/15/98
	P21000365	P210N				12434262	NLG		98ZZZX546
****		BACK AFTER LANDING EN BOLT HOLES. NO S			LIGHT SHIMMY AND	AIRCRAFT VEERED TO A	STOP. UPPER TORQUE L	INK WAS BRO	OKEN IN HALF
2720	98904	CESSNA				RUDDER PEDAL	FAILED		1/23/98
	310R1240	310R				086170040	PILOT LT		98ZZZX512
****	AIRCRAFT TOTAL		ART MAY HAVE BEE	N ORIGINAL. ANNUA		D PEDAL BROKE OFF AT B ONTHS PRIOR. HAVE HEA			
2721	6335X	CESSNA				TURNBUCKLE	SPLIT	3086	1/26/98
	340A0504	340A				MS21251B25	RUD TRIM CABLE		98ZZZX645
****			,			E SIDES. THE CABLE ENDS OF TURNBUCKLES AT REC		OUT. POSSIE	BLE DEFECT CAUSED
2460	6387X	CESSNA				TERMINAL BOARD	SHORTED	4430	12/10/97
	402B1350	402B				TB2	WS 27.125		98ZZZX637
****		MASTER SWITCH IN O				CONTACTED THE NON-IN			
7160	581EW	PIPER			FACET	FILTER	DETERIORATED	212	1/27/98
N81R	3246070	PA32R301				638873	INDUCT AIR		98ZZZX644
****		NEW AND 10 MONTHS S				CK RUBBER INTERIOR ED S. THE DETERIORATION			

### Run Date: 19-Feb-98

### FEDERAL AVIATION ADMINISTRATION SIGNIFICANT OCCURRENCE REPORT INDEX

Showing Specific Part Numbers and Aircraft Model by Year

FOR THE PERIOD OF: 2/8/98 To 2/14/98

PART NUMBER								YEA	R					
PART NAME	ACFT MODEL	TOTAL	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>04311481</b> ATTACH BRACKET	150L	1	-	-	-	-	-	-	-	1	-	-	-	-
FITTING	150Ј	1	-	-	-	-	-	-	-	-	-	-	-	1
	152	1											1	
TOTAL of # 0431148	1	3	-	-	-	-	-	-	-	1	-	-	1	1
<b>07436062</b> BRACKET	182P	1	-	-	-	1	-	-	-	-	-	-	-	-
FITTING	182P	1	-	-	-	-	-	-	-	-	-	-	-	1
	182Q	1	-	-	-	-	-	-	-	-	-	-	1	-
	182Q	1	-	-	-	-	-	-	-	1	-	-	-	-
	182R	1	-	-	-	-	-	-	1	-	-	-	-	-
FORGING	182P	1	-	-	-	-	-	-	-	-	-	1	-	-
TOTAL of # 07436062	2	6	-	-		1		_	1	1		1	1	1
<b>086170040</b> RUDDER PEDAL	310R	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # 08617004	40	1	-	-	-	-	-	-	-	-	-	-	-	1
<b>10140261S</b> BOLT KIT	A200	1												1
TOTAL of # 1014026	1S	1	_	-	-	-	-	-	-	-	-	-	-	1
111TW6003 SWITCH	35A	1												1
TOTAL of # 111TW6	003	1	-	-	-	-	-	-	-	-	-	-	-	1
<b>12434262</b> LINK	T210N	1	-	-	-	-	-	-	1	-	-	-	-	-

### FAA SIGNIFICANT OCCURRENCE REPORT INDEX 2/8/98 To 2/14/98 (cont'd)

PART NUMBER		<u>-</u>						YEA	R	,	<b>-</b>			
PART NAME	ACFT MODEL	TOTAL	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>12434262</b> LINK ASSY	210L	1	-	-	-	-	-	-	-	-	1	-	-	-
TORQUE KNEE	T210N	1	-	-	-	-	-	-	1	-	-	-	-	-
TORQUE LINK	210N	1	-	-	-	-	-	-	-	-	-	-	1	-
	P210N	1												1
TOTAL of # 12434262		5	-	-	-	-	-	-	2	-	1	-	1	1
<b>1555M14604</b> DUCT	A300B4203	1												1
TOTAL of # 1555M14	604	1	-	-	-	-	-	-	-	-	-	-	-	1
252501FCC PISTON RING	unknown	1												1
TOTAL of # 252501F0	CC	1	-	-	-	-	-	-	-	-	-	-	-	1
<b>3008787</b> BEARING	EMB110P1	1	-	-	-	1	-	-	-	-	-	-	-	-
ROD END	208B	1	-	-	-	-	1	-	-	-	-	-	-	-
	560CESSNA	1	-	-	-	-	1	-	-	-	-	-	-	-
	99A	1	-	-	-	-	-	-	-	-	-	-	-	1
	C90A	1	-	-	-	-	-	1	-	-	-	-	-	-
	EMB110P1	1	-	-	-	-	-	-	-	-	-	1	-	-
ROD ENDS	208B	1	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL of # 3008787 -		7	-	-	-	2	2	1	-	-		1	-	1
31021731 DIFFUSER VANE	SA226TB	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # 31021731		1												1
329B7A FLIGHT DIRECTOR	SA226AT	1	-	-	-	_	-	-	-	-	-	-	-	1

### FAA SIGNIFICANT OCCURRENCE REPORT INDEX 2/8/98 To 2/14/98 (cont'd)

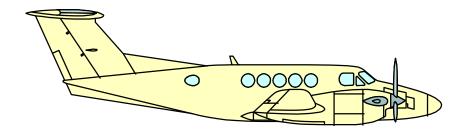
PART NUMBER								YEA	AR .					
PART NAME	ACFT MODEL	TOTAL	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
TOTAL of # 329B7A -		1												1
43013761														
MANIFOLD	BK117A3	1	-	-	-	-	-	-	-	-	-	-	-	1
	BK117A4	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # 43013761		2												2
<b>453005509</b> FITTING	1124	1	_	-	_	-	-	-	-	-	-	-	-	1
TOTAL of # 453005509	)	1												1
638873														
FILTER	PA32R301	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # 638873		1	_	-	_				_	_				1
674200605														
STRUT	750	1												1
TOTAL of # 674200605	5	1	-	-	-	-	-	-	-	-	-	-	-	1
9591911295														
BUSHING	B95	1												1
TOTAL of # 959191129	95	1	-	-	-	-	-	-	-	-	-	-	-	1
<b>A47102</b> COUNTERWEIGHT	unknown	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # A47102 -		1	_	-		-	_	-	_					1
<b>CF6RHFRAF1</b> THRUST REVERSER	A300B4203	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # CF6RHF1	RAF1	1			_									1
GD203														
DRIVESHAFT	G159	1												1
TOTAL of # GD203		1	_	-	_	-	-	-	-	-	-	-	-	1
MS21251B25 TURNBUCKLE	340A	1	-	-	-	-	-	-	-	-	-	-	-	1
	E90	1						1						
TOTAL of # MS212511	B25	2	-	-	-	-		1	-	-	-		-	1

### FAA SIGNIFICANT OCCURRENCE REPORT INDEX 2/8/98 To 2/14/98 (cont'd)

PART NUMBER		_						YEA	.R					
PART NAME	ACFT MODEL	TOTAL	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MS949034														
BOLT	1900D	1	-	-	-	-	-	-	-	-	-	-	-	1
CARRIER BOLTS	unknown	1	-	-	-	-	-	-	-	-	-	-	1	-
TOTAL of # MS9490	034	2	-	-			-	-					1	1
S122217														
CABLE	150J	1	-	-	-	-	-	-	-	-	1	-	-	-
	150M	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # S12221	7	2		_		-		_			1	_		1
TB2														
TERMINAL BOARD	402B	1												1
TOTAL of # TB2		1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL for ALL (44) PA	RT NUMBERS:	44		-		3	2	2	3	2	2		4	24
END OF SIGNIFICANT OC	CURRENCE REPORT INDEX													



## DOMESTIC SERVICE DIFFICULTY REPORT



ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5220	175SA	BEECH				WINDOW	CRACKED	7526	1/7/97
	BB183	200BEECH				1014301835	1ST CABIN RT		98ZZZX539
	INSPECTION FOU	ND WINDOW IN ESCAP	E HATCH CRACKED.						
5620	175SA	BEECH				WINDOW	CRACKED	7489	11/26/97
	BB183	200BEECH				1014301835	3RD CABIN LT		98ZZZX540
	INSPECTION FOU	ND WINDOW CRACKE	O TOWARD FRONT S	IDE.					
5620	175SA	BEECH				WINDOW	CRACKED	7526	1/7/97
	BB183	200BEECH				1014301835	3RD CABIN RT		98ZZZX541
	INSPECTION FOU	ND WINDOW CRACKEI	ALMOST ALL THE	WAY AROUND AFT S	SIDE.				
5712	5ST	BEECH				RIB	CRACKED	7206	12/6/97
	BB289	200BEECH					WS 46,65,85		98ZZZX626
****							HERE THE STRINGER AND F THE WING OVER TIME.		
5712	520MC	BEECH				RIB	CRACKED	8600	12/1/97
	BB43	200BEECH					LT WS 56-65-75		98ZZZX613
	FORWARD RIVET		R IS ATTACHED. TH	E CRACK WENT FRO	M THE RIVET HOLE		THE RIGHT AT STA 65.50 V OF THE RIB. SUBMITTER		
5720	520MC	BEECH				NUTPLATE	CRACKED	8600	12/1/97
	BB43	200BEECH					LT LE WING ROOT		98ZZZX610
			*				AINTENANCE. A 2.50 INCH CK WAS STOP DRILLED A		
5730	520MC	BEECH				SKIN	CRACKED	8600	12/1/97
	BB43	200BEECH					LT/RT WING		98ZZZX611
	THROUGH THE H		ARE USED TO SECU	RE THE SKIN TO THE	WING SPAR CAP, A	ND EXTEND TO THE HOL	TTING WERE FOUND. THE E IN THE SKIN FOR THE FU		
5730	520MC	BEECH				SKIN	CRACKED	8600	12/1/97
	BB43	200BEECH					RT WING FUEL		98ZZZX612
		NT 1 INSPECTION, A .50 FUELING. INSTALLAT				TUEL FILLER CAP. THE CR	ACK APPEARS TO BE DUE	E TO IMPROPI	ER USE OF THE FUEL
5741	2MIL	BEECH				BOLT KIT	WRONG PARTS		1/20/98
UJJR	BC15	A200				10140261S	WING ATTACH		98ZZZX530
****	THE KIT DID NOT	THAVE A SMOOTH CON NG SO AS NOT TO SET I	TINUOUS OUTER RA	ADIUS WHICH IS NOT	TED IN BEECH 200 SI	RM CH 57-17-01 PAGE 212,	ING 4 OF THESE KITS, NOT FIG 207. SMOOTH OUTER ER SUGGESTED BETTER Q	RADIUS IS T	O GO AGAINST

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5741	2MIL	BEECH				BOLT KIT	WRONG PARTS		1/19/98
UJJR	BC15	A200				10140251S	WING ATTACH		98ZZZX531
	ON THE OUTER EI WITH KITS WERE	DGE. THE BEECH 200 S	SRM CH 57-17-01 P 212 AUSE STRESS IF INSTA	SPECIFICALLY INST ALLED. SUBMITTER	TRUCTS TO INSTALI SUGGESTED BETTE	L SMOOTH CONTINUOUS	THE WASHERS INCLUDED V OUTER RADIUS TOWARD 'I V RAYTHEON'S PART MIGH	BATHTUB' F	ITTING. WASHERS
5741	2MIL	BEECH				BARREL NUT	WRONG PART		1/18/98
UJJR	BC15	A200				80691CF1612	WING ATTACH		98ZZZX538
	1612 WAS OF IMPE	ROPER TOLERANCES A	AND WOULD NOT FIT	IN WING 'BATHTUB'	FITTING. FURTHER	R INVESTIGATION REVEA	H 200 SERIES ARICRAFT. TI LED THE LOCKING NUT PO MITTER STATED HAVE RE	ORTION WAS	INSTALLED IN ASSY
3340	24017	BEECH				LIGHTS	NOT GROUNDED		1/13/98
	MC478	C24R					WING BONDING		98ZZZX638
****	DETERMINED THI	E WING ASSEMBLIES V	VERE NOT WELL GRO	OUNDED TO THE FUS	ELAGE. GROUND W	VIRES WERE ADDED BETV	DOTH FUEL GAUGES TO P WEEN BOTH MAIN WING SE NELECTRICAL EQUIPMEN	PARS AND T	HE FUSELAGE
2150	1066T	BEECH				BELT	DELAMINATED	292	1/23/97
HUNR	E2996	A36				6462933400	AIR CONDITIONING		98ZZZX526
		NG BELT IS A TOOTH-T N OF BELT INSIDE EDO			THE INSIDE DIAME	TER OF THE BELT LAYIN	G INSIDE THE ENGINE NAC	CELLE. ON I	NSPECTION, FOUND
7603	1066T	BEECH				SPRING	BROKEN	292	1/13/98
HUNR	E2996	A36				628371	THROTTLE LINK		98ZZZX527
	FUEL CONTROL/T	HROTTLE LINKAGE SI	PRING BROKEN. LOW	W HOURS SINCE NEW	7.				
5522	7700R	BEECH				SKIN	CRACKED		1/23/98
	TE633	D55				9661000649	LT ELEVATOR		98ZZZX609
							TH CRACK IN SKIN P/N 96- S. AIRCRAFT TOTAL TIME,		
5522	700R	ВЕЕСН				SKIN	CRACKED		1/23/98
	TE633	D55				96610063	LT ELEVATOR		98ZZZX608
							TH CRACK IN SKIN P/N 96- S. AIRCRAFT TT 4,524 HOU		B-SURFACE
6120	70DD	BEECH				CABLE	FAILED	200	1/19/98
KZ5R	TH370	58				5038901023	PROP CONTROL		98ZZZX551
	PROPELLER CONT	TROL CABLE BROKE A	T ENGINE END AT TH	HE POINT WHICH THI	READED END IS CRI	MPED ON TO CABLE END	).		
7160	2012C	BEECH				BUSHING	WORN	8269	12/24/97
	TD430	B95			9591911419	9591911295	RT CARB AIR BOX		98ZZZX519
****	CARBURETOR HE	AT BOX TO BECOME I	ODGED IN THE CARI	BURETOR HEAT ON I	POSITION RESULTIN		9114-19 WORKED LOOSE C TION FOR THE ENGINE. W HE ENGINE.		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5553	51400	CESSNA				FITTING	CRACKED		12/19/97
	150699981	150J				04311481	VERTICAL STAB		98ZZZX557
****	INSPECTION FOU	IND VERTICAL STABILI	IZER ATTACH FITTIN	G CRACKED.					
7603	704AC	CESSNA				CABLE	FAILED	2306	1/24/98
	15078450	150M				S122217	THROTTLE		98ZZZX514
****		TED THESE ORIGINAL (					OLE ASSEMBLY WAS MOV ERIORATION. SUBMITTER		
2434	73671	CESSNA			FORD	ALTERNATOR	FAILED	342	1/12/98
	17267605	172M				DOFF10300J	BRUSH		98ZZZX553
	RING WAS GROO	VED DUE TO CONTACT	WITH INSERT. ALT	ERNATOR HAD ONL	Y 341.8 HOURS SINC	E OVERHAUL AND ONLY	OUND WORN COMPLETELY 8 MONTHS. SECOND BRUS OSITION OF BRUSH MATER	H WAS IN G	OOD SHAPE. THERE
2460	97100	CESSNA				FUSE CONNECTOR	FAILED	250	1/20/98
VIWR	17280100	172R			MC012	AT30	POWER JUNCT BOX		98ZZZX513
		LDER AT FUSE CONNE P AND IMPROPERLY SO				HOOTING DEFECTIVE BUS	S, COLD WIRE WAS NOT INS	STALLED IN	RETAINING HOLE,
3213	5510R	CESSNA				FITTING	CRACKED	6312	1/20/98
	172RG0066	172RG				22411001	MLG LEG		98ZZZX515
	MLG LEG FITTING	G FOUND CRACKED. SI	UBMITTER STATES P	OSSIBLE CAUSE AS I	HARD LANDINGS.				
5412	376ES	CESSNA				FIREWALL	CRACKED	271	12/1/97
BWRR	17280059	172R					LOWER LEFT		98ZZZX564
		L INSPECTION, FOUND I					HOURS TOTAL TIME. ADV	ISED MANU	FACTURER CRACK
2701	3655U	CESSNA				YOKE	FAILED	4113	1/7/97
	18255055	182F				051316714	PILOTS		98ZZZX550
	WHILE CHECKIN	G ELEVATOR TRAVEL,	YOKE BROKE WHEN	BROUGHT UP AGAI	NST ELEVATOR STO	OP LEAVING BROKEN PAR	T IN HAND. RECOMMEND	PULL TEST.	
810	1691R	CESSNA				DRAIN VALVE	LEAKING		1/21/98
	R18200516	R182					LT WING FUEL		98ZZZX521
	THE BROKEN O-F		N THE FORWARD FLO	OW HOLES AND KEP	T THE VALVE STEM		ID BROKEN IN 3 PLACES AN IENT OF THE VALVE STEM		
3221	7285Q	CESSNA				FITTING	CRACKED		1/19/98
VH3R	18260256	182P				07436062	NLG ATTACH		98ZZZX529
****		OSE GEAR TO THE AIRF					ACH FITTING. ONLY THE U HALF-WAY ACROSS THE L		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5751	918FE	CESSNA				SERVO TAB	CRUSHED		11/24/97
COEA	208B0018	208B				26240121	LT AILERON		COEA9701918
	SCRATCH IN THE SKIN TRAILING E	PAINT FROM TRAILIN	G EDGE TO LEADING AND DENTS WERE I	G EDGE 2 FEET FROM NEGLIGIBLE DAMAC	I THE WING TIP. A S GE PER THE CESSNA	MALL DENT .0937 INCH DI SRM 57-10-00. NO DAMAC	FT WING UNDERSIDE RECE EEP WAS FOUND WHERE T BE WAS FOUND TO THE AII	HE SCRATO	CH MET THE WING
3222	323DC	CESSNA				TORQUE LINK	FAILED	3615	1/15/98
	P21000365	P210N				12434262	NLG		98ZZZX546
****		BACK AFTER LANDING EN BOLT HOLES. NO S			LIGHT SHIMMY AND	AIRCRAFT VEERED TO A	STOP. UPPER TORQUE LIN	NK WAS BRO	OKEN IN HALF
3222	732DK	CESSNA				PISTON ASSEMBLY	BROKEN	2838	12/28/97
	21061432	T210L				1243009201	NOSE GEAR		98ZZZX544
		IENCED A NOSE LAND ASTING AREA LOCATE				•	ECTION REVEALED THE FO	ORK AND PI	STON ASSEMBLY
5520	2306D	CESSNA				CHANNEL	CRACKED	3303	1/8/98
	21063828	210				123262226	ELEVATOR		98ZZZX555
		NEL HAS 7 LOCATION M FACTORY. SUBMIT					ACKS HAVE FORMED AT	ALL 7 LOCA	TIONS. THIS DEFECT
2720	98904	CESSNA				RUDDER PEDAL	FAILED		1/23/98
	310R1240	310R				086170040	PILOT LT		98ZZZX512
****	AIRCRAFT TOTAL		ART MAY HAVE BEE	N ORIGINAL. ANNU			ASE WHERE IT IS WELDEI ARD OF SAME PROBLEM W		
2721	6335X	CESSNA				TURNBUCKLE	SPLIT	3086	1/26/98
	340A0504	340A				MS21251B25	RUD TRIM CABLE		98ZZZX645
****			,			E SIDES. THE CABLE ENDS OF TURNBUCKLES AT REC	S WERE NOT BOTTOMED C GULAR INSPECTIONS.	OUT. POSSIE	BLE DEFECT CAUSED
2460	6387X	CESSNA				TERMINAL BOARD	SHORTED	4430	12/10/97
	402B1350	402B				TB2	WS 27.125		98ZZZX637
****		MASTER SWITCH IN O					NSULATED TERMINAL BOA NEED TO BE INSULATED F		
5730	400AR	CESSNA				SKIN	CRACKED	7929	1/9/98
	402B0338	402B					LT/RT WS 57.5		98ZZZX556
	CRACK IN UPPER	WING SKIN ABOVE GE	AR SUPPORT FOUND	DURING 100-HOUR	INSPECTION. SUBM	ITTER STATED POSSIBLY	CAUSED BY A HARD LANI	DING.	
3231	421CP	CESSNA				BELLCRANK	CRACKED	5549	1/19/98
CM2R	421B0015	421B				08411066	RT MLG DOOR		98ZZZX641
	RIGHT MLG DOOL	R BELLCRANK CRACK	APPEARED TO STAR	T AT LIPPER FORWAI	RD SHRMITTER STA	ATED WAS CRACKED FOR	SOME TIME REFORE EATI	IDE	

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
2430	2531K	CESSNA				RELAY	INTERMITTENT		1/27/98
B3OR	5500594	550				A876P	BAT DISCONNECT		98ZZZX614
	TYPE AND PART I INSIDE. THIS REL	NUMBER RELAY AND I	HAS BEEN FOUND ON DISCONNECT RELAY	SEVERAL OTHER O	CCASIONS. THE RE	LAY WOULD NOT HAVE I	TER STATED THIS IS A CON FAILED HAD IT NOT BEEN F EN THE RELAY FAILS, IT AL	OR THE LC	OSE HARDWARE
5711	293S	CESSNA				CAP STRAP	CORRODED	6518	2/2/98
SI6R	5000193	500CESSNA				55221119	LT WING SPAR		98ZZZX543
	REVEALED CORR		STRAP AND THE DOU				D AROUND THE EDGES. FU ER SEALING AROUND THE I	,	
2910	78384	GULSTM				LINE	RUPTURED	21000	1/14/98
HXUA	500B1297112	500B				790220	LT/RT WS 24		98ZZZX552
	HYDRAULIC LEA MOISTURE.	K IN PRESSURE LINE L	EFT AND RIGHT WIN	G AT WS 24. LINE FA	AILED BECAUSE OF	CORROSION PITS UNDER	IDENTIFICATION TAPE. AR	EA NORMA	ALLY IS FREE OF
5620	44MM	MTSBSI				WINDOW	CRACKED	8386	1/21/98
IZ2R	1526SA	MU2B60					RT FWD CABIN		98ZZZX605
	MADE WITHOUT		ROM WINDOW WAS				). AN EMERGENCY WAS DE IZER. RIGHT PROPELLER S		
3231	6899L	PIPER				BELLCRANK	CRACKED		1/29/98
	608365011	PA60602P				400088002	RT GEAR DOOR		98ZZZX636
		THE GEAR REQUIRED C OR LOWER PUSH/PULL				D ILLUMINATE. INSPECT	TION AFTER LANDING FOUN	ND BELCRA	NK THAT ATTACHES
2720	272НЈ	PIPER				TORQUE TUBE	CORRODED		11/1/97
BXSR	317712055	PA31310				40040009	RUDDER		98ZZZX634
							HE BOTTOM RIB ON THE RU S ALSO UNAIRWORTHY DU		
2731	272НЈ	PIPER				CABLE	DEFECTIVE	3572	11/1/97
BXSR	317712055	PA31310				4248403	ELEVATOR TRIM		98ZZZX630
							ERE IS NO RECORD OF THE HE SPLICES STRESS THE MO		EING DONE IN THE
2912	272НЈ	PIPER				SPRING	MISSING	3572	11/1/97
BXSR	317712055	PA31310				756164	LT/RT HYD FILTER		98ZZZX629
		AND RIGHT HYDRAULI LE THE FILTER COULD					R IN PLACE AND WILL COM	PRESS SHC	OULD THE FILTER PLUG
3213	272HJ	PIPER				TRUNNION	CORRODED	3572	11/1/97
BXSR	317712055	PA31310				4205907	MLG		98ZZZX633
		ND THE CYLINDER SIE BEHIND A LARGE HOS	,	TSIDE) WITH DEEP I	NTERGRANULAR G	ALVANIC CORROSION. T	HIS CORROSION IS HARD TO	O SPOT DU	E TO ITS BEING IN THE

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5520	272НЈ	PIPER				BOOT	MISSING	3572	11/1/97
BXSR	317712055	PA31310				453226	ELEVATOR		98ZZZX631
		VATOR COUNTER BAL HE BOOT WHICH WILL				SUB-SURFACE WAS EROI	DED. THE OTHER BOOT W	AS TORN WE	HICH ALLOWS WATER
5541	272НЈ	PIPER				RIB	CORRODED		11/1/97
BXSR	317712055	PA31310				4003900	RUDDER		98ZZZX635
							HE BOTTOM RIB ON THE R S ALSO UNAIRWORTHY D		
5753	272НЈ	PIPER				ROLLERS	SEIZED		11/1/97
BXSR	317712055	PA31310					FLAP		98ZZZX632
							TROL SURFACE HARDWA ED 1/94 BY CIMARRON AIR		
3211	37RE	PIPER				MOUNT	CRACKED		2/2/98
	32R7780114	PA32R300				6704014	MLG LT FWD		98ZZZX675
5743	37RE 32R7780114 ANNUAL INSPEC AND AFT. MAINT		EVEALED LT FWD MI ADDITIONAL MOUN	.G TRUNNION MOUN TS CRACKED THROU	T CRACKED THROUJGH BOLT HOLES. F	MOUNT 6704213 JGH 3 OF THE 4 MOUNT BREMOVED MOUNTS AND	CRACKED  MLG RT AFT  OLT HOLES. FURTHER INSINSPECTED SPAR. STRIPP		
5743	37RE	PIPER	CRACKED ADOUT 2	INCILS LONG AT TO	DIVI OF WEDDING F	TRUNNION	CRACKED		2/2/98
3743	32R7780114	PA32R300				67926030	LT MLG		98ZZZX673
	ANNUAL INSPECTAND AFT. MAINT	TION OF MLG AREA RE	ADDITIONAL MOUN	TS CRACKED THROU	JGH BOLT HOLES. F	JGH 3 OF THE 4 MOUNT BOREMOVED MOUNTS AND	OLT HOLES. FURTHER INS INSPECTED SPAR. STRIPP		LT AFT AND RT FWD
5743	37RE	PIPER				MOUNT	CRACKED		2/2/98
	32R7780114	PA32R300				6704014	MLG LT AFT		98ZZZX674
	AND AFT. MAINT		ADDITIONAL MOUN	TS CRACKED THROU	JGH BOLT HOLES. F	REMOVED MOUNTS AND	OLT HOLES. FURTHER INS INSPECTED SPAR. STRIPP		
7160	581EW	PIPER			FACET	FILTER	DETERIORATED	212	1/27/98
N81R	3246070	PA32R301				638873	INDUCT AIR		98ZZZX644
****							GE DETERIORATING. THE IS ON THE INBOARD SIDE		
	INJESTED BY ENG	GINE.	incerment i wr	S ISSUED ITS ORIGIN	THE THICK ORTHINGE				
2731	INJESTED BY ENG	GINE. PIPER	JINCE THICKEN I WI	S ISSUED ITS ORIGIN		CABLE	FRAYED	1288	12/24/97
2731			JACE PHICKE I WAS	S ISSUED ITS ORIGIN		CABLE 6270197	FRAYED AP ELEV TRIM	1288	12/24/97 98ZZZX522

DOMEGRIC GERMAGE	DIFFICILITATA DEPODE CLIMATA DA	A ID CD A DT ( (11)
DOMESTIC SERVICE	DIFFICULTY REPORT SUMMARY -	AIRCRAFI (contid)

2/8/98 To 2/14	11221 QO/	$F \cdot 08_{-}07$	7 A C-327
2/0/90 10 2/14/	20 1000	E. 90-U/	ZAC-321

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3231	666AS	PIPER				ACTUATOR	LEAKING	200	1/20/98
RF1R	4622186	PA46350P				1122	NLG DOOR		98ZZZX525
	FOUND NOSE GEA	R DOOR ACTUATOR L	EAKING INTERNALL	LY THROUGH AIR OR	IFICE. OVERHAUL I	KIT NO LONGER AVAILAE	BLE. REPLACED UNIT W	VITH NEW UNIT	FROM PIPER.

 $\underline{\text{(End of DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - AIRCRAFT)}}$ 

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5310	120VT	AMTR				FRAME	CRACKED		1/22/98
	0222	MINI500					M/R GEARBOX		98ZZZX502
****	STRUCTURE MAY ROTOR MAST. TH	BE OF TOO THIN MAT	TERIAL. SUBMITTER NOT CONCENTRIC W	BELIEVES CRACKS FITH THE OUTSIDE. 7	FORM BECAUSE OF THE LOWER SWASH	THE INABILITY TO TRACE	ME ANYWHERE FROM 6 HOU K AND BALANCE ROTOR BE E INSIDE OF SHAFT AND NO	CAUSE OF	A FLAW IN THE MAIN
6230	120VT	AMTR				SHAFT	MISMANUFACTURED		1/22/98
	0222	MINI500					M/R		98ZZZX501
****	THE INSIDE OF RO	OTOR MAST IS NOT CO	NCENTRIC WITH OU	TSIDE. THE MAIN CO	ONTROL ASSEMBLY	Y (SWASHPLATE) BOLTS T	LAW. IT WAS MANUFACTU O THE INSIDE OF THIS SHAI TINUE TO SELL THSE DEFEC	FT AND NO	W HAS A SEVERE
8520	120VT	AMTR	ROTAX			ENGINE	SEIZED		1/16/98
	0222	MINI500	ROTAX582				CRANKSHAFT		98ZZZX486
****	COUNTEWEIGHT		E WAY REVOLUTION	N INSTALLS BEARING	G ON END OF CLUT	CH. IT IS HELD STATIONA	HAFT. SERVICE CENTER AL RY WHICH DOES NOT ALLO		
3444	206LS	BELL				ALTIMETER	FAILED		2/5/98
HEEA	51070	206L3				066106103	COCKPIT		HEEA0012787
	RADAR ALTIMET	ER READS 200 FEET AT	TALL TIMES.						
3452	104PH	BELL				TRANSCEIVER	FAILED		2/5/98
HEEA	3622	206B3			KT76	066106200	COCKPIT		HEEA0012788
	TRANSPONDER IN	NOPERATIVE.							
3452	2124Z	BELL				TRANSCEIVER	FAILED		2/5/98
HEEA	45646	206L1			KT76	066106200	COCKPIT		HEEA0012762
	TRANSCEIVER NO	POWER. ADJUSTED C	CAVITY FOR GOOD PO	OWER OUT AND ON F	FREQUENCY. REPL	ACED WEAK V301 PHOTO	DETECTOR. BENCH CHECK	GOOD.	
3457	6160Z	BELL				GPS	FAILED		2/5/98
HEEA	51610	206L3			GPS150	0110005400	COCKPIT		HEEA0012789
	GPS BATTERY LO	W INDICATED.							
6710		BELL			RONSON	RETAINER	CRACKED		12/11/97
B6HR		206BELL			206003	C4264221	M/R SERVO		98ZZZX642
	SERVO RETAINER	CAME BACK FROM N	DT, INDICATED CRAC	CKED.					
6710		BELL			RONSON	RETAINER	CORRODED		1/9/98
B6HR		206L				C4264172	M/R SERVO		98ZZZX643
	SERVO RETAINER	R CAME BACK FROM N	DT WITH CORROSION	N INDICATION. RE-C	LEANED AND ANO		-		-
7250	129MR	BELL	ALLSN			SUPPORT	DAMAGED		2/3/98
7250							-		-
7250 HEEA	51129	206L3	250C30P		23035128	23034775	ENG GAS PROD		HEEA0012759

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO	
7314	5742N	BELL				FUEL PUMP	WORN	14063	2/5/98	
HEEA	45477	206L1				3881005	ENGINE		HEEA0012767	
	FUEL PUMP EXCE	SSIVELY WORN INTER	NAL SPLINES.							
7712	206BY	BELL				INDICATOR	MALFUNCTIONED		1/19/98	
LS1R	2871	206B3				206075185001	TORQUE		98ZZZX507	
	TORQUE INDICAT	OR GIVES HIGHER TO	RQUE THAN TESTED	).						
7930	3905B	BELL				INDICATOR	FAILED		2/5/98	
HEEA	45598	206L1			174000103	174035201	ENG OIL		HEEA0012790	
	INDICATOR INOP WORK.	ERATIVE-DOES NOT W	ORK. INDICATOR W	AS REMOVED FROM	BOWL AND CLEANED	. INSTALLED INDICAT	OR BACK ON BOWL, TEST	ED AND IND	ICATOR STILL DIDN'T	
3455	3131S	BELL				RECEIVER	FAILED		2/5/98	
HEEA	30953	212				066104701	ADF		HEEA0012771	
	ADF RECEIVER SI	LOW TO POINT AND LO	OW AUDIO.							
6310	911LW	BELL				COUPLING	CORRODED		9/2/97	
TI1R	47520	222U				222044607003	M/R DRIVE		98ZZZX601	
	M/R DRIVE INNER	R COUPLING PITTING C	ORROSION ON TEET	H. REJECTED. REMO	OVED AND REPLACED					
6310	219HM	BELL				COUPLING	CORRODED		10/6/97	
TI1R	47573	222U				222044672101S	MAIN DRIVE		98ZZZX602	
	COUPLING HAS CORROSION, PITTING ON TEETH. DAMAGED BEYOND LIMITS. REJECTED. REMOVED AND REPLACED.									
7310	6992	BELL	LYC			MANIFOLD	LEAKS		4/1/96	
RMXA	47521	222U	LTS101750C1			430137601	ENGINE FUEL		98ZZZX585	
		S. OTHER OPERATORS					F RELEASING AN ASB LIMI NNE TO A POST-FLIGHT CHI			
7310	6992	BELL	LYC			MANIFOLD	LEAKS		5/11/97	
RMXA	47521	222U	LTS101750C1			430123604	ENGINE FUEL		98ZZZX578	
		S. OTHER OPERATORS					F RELEASING AN ASB LIMI NNE TO A POST-FLIGHT CHI			
7310	6992	BELL	LYC			MANIFOLD	LEAKS		11/14/95	
RMXA	47521	222U	LTS101750C1			430128601	ENGINE FUEL		98ZZZX588	
		S. OTHER OPERATORS					F RELEASING AN ASB LIMI ONE TO A POST-FLIGHT CHI			
7261	230UN	BELL				FILTER	DEFECTIVE		2/2/98	
HEEA	23009	230				174250008	ENG OIL		HEEA0012756	
	ENG OIL FILTER N	NO BYPASS INDICATIO	N.							
3452	406PH	BELL				TRANSCEIVER	FAILED		2/5/98	
HEEA	53198	407			KT76	066106200	COCKPIT		HEEA0012780	
	TRANSPONDER D	OESN'T POWER UP. PEI	RFORMED PRELIMIN	ARY INSPECTION. F	OUND UNIT NOT RECE	EIVING AND IDENT LIG	HT BLINKS. SWAPPED V10	1 CAVITY T	UBE. NO HELP.	

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3457	1167G	BELL				NAV COMM	INOPERATIVE		1/26/98
HEEA	53067	407			KLX135	069010290703	COCKPIT		HEEA0012705
	GPS/NAV COMM N	MESSAGE BUTTON INO	PERATIVE.						
6320	612PH	BELL				INDICATOR	FAILED	62	2/2/98
HEEA	53199	407				407375005101	XMSN OIL TEMP		HEEA0012753
	NO INDICATION C	ON PRESSURE SIDE.							
6510	58236	BELL				DISK PACK	CORRODED	473	12/2/97
VE3D	53069	407				406040340101	T/R DRIVE		98ZZZX623
	INSPECTING HELI	COPTER PER AD 97-22-	15, FOUND TWO T/R I	DRIVE DISC PACKS I	BEYOND DAMAGE L	IMIT. DAMAGE WAS DUE	E TO CORROSION. REPLAC	ED DAMAGE	ED PARTS.
7331	141MA	BELL				SIGNAL COND	MALFUNCTION	1205	2/2/98
HEEA	53016	407				407375016101	FUEL FLOW		HEEA0012752
	FUEL LOW LIGHT	ON WITH 600 POUNDS	OF FUEL.						
7712	406PH	BELL				INDICATOR	FAILED	68	2/2/98
HEEA	53198	407				407375003107	ENG TORQUE		HEEA0012754
	TORQUE INDICAT	OR WILL NOT COMPLE	ETE SELF TEST. BAR	GRAPH STARTS HAI	LFWAY UP.				
7810	417PH	BELL				EXHAUST STACK	CRACKED		2/2/98
HEEA	53038	407				407063001101	ENGINE		HEEA0012750
	ENGINE EXHAUST	STACK IS CRACKED.							
7810	427PH	BELL				EXHAUST STACK	CRACKED		2/2/98
HEEA	53059	407				407063001101	ENGINE		HEEA0012751
	ENGINE EXHAUST	STACK IS CRACKED.							
7931	57416	BELL				INDICATOR	FLUCTUATES	1198	2/2/98
HEEA	53070	407				407375004101	ENG OIL PRESS		HEEA0012755
	ENG OIL PRESSUE	RE FLUCTUATES BETW	EEN 0 AND 150 IN FL	IGHT.					
2312	5759N	BELL				TRANSCEIVER	FAILED		2/5/98
HEEA	33002	412			KTR905	064100900	COCKPIT		HEEA0012770
		ILL NOT TRANSMIT. FO TRANSMIT OR RECEI		EIVING. FOUND V20	) NOT WORKING. RI	EPLACED Q209, Q208, Q203	3, Q204, AND Q221 TRANSI	STORS, CR20	09 DIODE, I216 AND
2370	2261D	BELL				CVR	FAILED	327	2/5/98
HEEA	33076	412				9806020023	COCKPIT		HEEA0012776
	TEST LIGHT REMA	AINS ON ALL THE TIME	E. TIME SINCE REPAI	IR 0:00.					
6210	3893S	BELL				BLADE	DAMAGED	5120	2/5/98
HEEA	33022	412				412015300109	M/R		HEEA0012779
	PIECE OF INBOAR	D ABRASION STRIP MI	SSING ON THE TOP C	OUTBOARD END OF I	M.R BLADE.				
6210	2298Z	BELL				BLADE	ERRODED	10983	2/5/98
HEEA	33077	412				412015300109	M/R		HEEA0012778
	M/R BLADE OUTB	OARD LEADING EDGE	STRIP WITH EROSIO	N HOLES THROUGH	THE STRIP.				

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6210	2298Z	BELL				BLADE	DAMAGED	10670	2/5/98
HEEA	33077	412				412015300109	M/R		HEEA0012777
	HOLES IN THE M/F	R BLADE OUTBOARD I	EADING EDGE ABRA	ASION STRIP.					
6320	2149S	BELL				BEARING	CORRODED		2/5/98
HEEA	36002	412			412040002113	205040245001	TRANSMISSION		HEEA0012763
	BEARINGS CORRO	DED. BEARING CAGE	RUBBING AND TIGH	ITING UP ON INNER	RACE. REPLACED W	VITH SERVICEABLE BEARI	NG SET.		
7120		BELL				BEARING ROD END	WORN		1/27/98
HEEA		412				209062105001	ENG MOUNT		HEEA0012738
	ROD END HAS TO	O MUCH PLAY ON NEV	V BEARING.						
310	3893P	BELL	PWA			CARTRIDGE	LEAKING		2/5/98
HEEA	33012	412	PT6T3B			2C273	ENG FUEL		HEEA0012784
	FOUND PLUG ON (	OUTSIDE END OF CAR	TRIDGE TO BE LEAK	NG FUEL. FOUND AI	DAPTER THAT HOLI	DS PLUG HAS EXCESSIVE P	LAY.		
5320	4573B	BOLKMS				SUN GEAR	SPALLED		2/5/98
HEEA	S673	BO105S			4638001004	4638304001	TRANSMISSION		HEEA0012764
	FOUND SPALLING	ON SUN GEAR TEETH	. REPLACED WITH SI	ERVICEABLE PART.					
320	4573B	BOLKMS				BEVEL GEAR	SPALLED		2/5/98
IEEA	S673	BO105S			4638001004	4638303001	TRANSMISSION		HEEA0012765
	FOUND SPALLING	ON BEVEL GEAR TEE	TH. REPLACED WITH	SERVICEABLE PAR	Γ.				
230	202LF	BOLKMS	ALLSN			GEARSHAFT	WORN	647	11/22/97
R7MA	2014	BO105LSA3	250C28			23056634	SPUR ADAPTER		98ZZZX508
	SPUR ADAPTER G	EARSHAFT HAD EXCE	SSIVE SPLINE WEAR.	REPLACED WITH N	EW UNIT, CORRECT	TED PROBLEM.			
7250	5421E	BOLKMS				PT SUPPORT	DEFECTIVE		2/3/98
HEEA	S806	BO105S			6898735	6898730	ENGINE		HEEA0012758
		ED DUE TO CYCLES. U R7 DAMPER GROOVE.	IPON INSPECTION OF	TURBINE PARTS NO	OTED: MEASURED.	003 OVER SPECS (1.764-1.76	1) ON PT SUPPORT NR6 DA	AMPER GRO	OVE AND CHROME
313	5421E	BOLKMS				NOZZLE	CRACKED		2/3/98
IEEA	S806	BO105S			6898735	6879867	NR 3		HEEA0012757
		ED DUE TO CYCLES. U LED A STANDARD AEF			OTED: CRACKED BE	EYOND SERVICEABLE LIMI	TS ON NR3 NOZZLE FORW	ARD FLANC	GE AND AREAS
7930	4302G	BOLKMS				INDICATOR	FAILED		2/5/98
HEEA	S853	BO105S			174000103	174035201	ENG OIL		HEEA0012774
	INOPERATIVE-DO	ES NOT WORK. INDIC.	ATOR WAS REMOVE	D FROM BOWL AND	CLEANED. INSTAL	LED INDICATOR BACK ON	BOWL, TESTED AND INDI	CATOR STII	LL DIDN'T WORK.
211	7060G	BOLKMS				COMPUTER	FAILED	25	12/1/97
R7MA	7173	BK117B1				117884141	YAW CSAS		98ZZZX649
	FAILED VALVE CU	JRRENT TEST PER BK1	17B1 MM CHAPTER	709. REPLACED YAW	//CSAS COMPUTER	WITH NEW UNIT, CORRECT	ΓED PROBLEM.		
2211	7060G	BOLKMS				COMPUTER	MALFUNCTIONED	61	12/26/97
R7MA	7173	BK117B1				117884141	YAW CSAS		98ZZZX650
	AIRCRAFT EXPER	IENCED OSCILLATION	S DURING FLIGHT. F	REPLACED YAW/CSA	S COMPUTER WITH	I NEW UNIT, CORRECTED F	PROBLEM.		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
2211	7060G	BOLKMS				COMPUTER	FAILED	1	12/1/97
R7MA	7173	BK117B1				117884141	YAW CSAS		98ZZZX648
	YAW/CSAS COMP	UTER CAUSES OSCILLA	ATIONS DURING FLI	GHT. FAILED JUST A	FTER INSTALL. TIM	ME SINCE REPAIR IS .5 HR.	REPLACED WITH NEW U	JNIT, CORREC	TED PROBLEM.
3431	136AE	BOLKMS				RECEIVER	FAILED		2/5/98
HEEA	7234	BK117B2			KX165	069102525	COCKPIT		HEEA0012772
	LOC RECEIVER NO	OT PULLING FLAG.							
3452	911NC	BOLKMS				TRANSPONDER	FAILED		2/5/98
HEEA	7026	BK117A3				066107100	COCKPIT		HEEA0012773
	TRANSPONDER H.	AS NO OUTPUT.							
3454	7040U	BOLKMS				INDICATOR	FAILED		1/26/98
HEEA	7180	BK117A3				066308105	COCKPIT NAV		HEEA0012690
	COMPASS FLAG S	TAYS IN VIEW.							
3457	217UC	BOLKMS				GPS	FAILED		2/5/98
HEEA	7152	BK117B1			GPS165	0110010600	COCKPIT		HEEA0012775
	GPS WILL NOT CH	ARGE GPS BATTERY.							
6410	71703	BOLKMS				BLADE	DEFECTIVE	3887	12/15/97
R7MA	7227	BK117B1				11731742	T/R	93	98ZZZX510
	T/R BLADE PAINT	PEELING CAUSING OU	JT OF BALANCE CON	IDITION. REPLACED	WITH NEW UNIT, C	ORRECTED PROBLEM.			
6410	71703	BOLKMS				BLADE	DEFECTIVE	1777	12/15/97
R7MA	7227	BK117B1				11731742	T/R	93	98ZZZX509
	T/R BLADE PAINT	PEELING CAUSING OU	JT-OF-BALANCE CON	NDITION. REPLACED	WITH NEW UNIT, C	CORRECTED PROBLEM.			
7310	117LG	BOLKMS	LYC			MANIFOLD	LEAKS		5/9/93
RMXA	S7032	BK117A1	LTS101650B1			43012861	ENGINE FUEL		98ZZZX598
		S. OTHER OPERATORS				NAL IS IN THE PROCESS O MS. OMNIFLIGHT HAS GO			
7310	4493X	BOLKMS	LYC			MANIFOLD	LEAKS	142	12/16/98
RMXA	S7038	BK117A3	LTS101650B1			43013761	ENGINE FUEL		98ZZZX582
		S. OTHER OPERATORS				NAL IS IN THE PROCESS O MS. OMNIFLIGHT HAS GO			
7310	117CH	BOLKMS	LYC			MANIFOLD	LEAKS	29	1/12/96
RMXA	S7061	BK117A3	LTS101650B1			430137601	ENGINE FUEL		98ZZZX587
		S. OTHER OPERATORS				VAL IS IN THE PROCESS O MS. OMNIFLIGHT HAS GO			
7310	1140H	BOLKMS	LYC			MANIFOLD	LEAKS	1085	6/16/95
RMXA	S7078	BK117A3	LTS101650B1			430137601	ENGINE FUEL		98ZZZX590
		S. OTHER OPERATORS				VAL IS IN THE PROCESS O MS. OMNIFLIGHT HAS GO			

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7310	1140H	BOLKMS	LYC			MANIFOLD	LEAKS	813	6/27/95
RMXA	S7078	BK117A3	LTS101650B1			43013761	ENGINE FUEL		98ZZZX589
		6. OTHER OPERATORS					F RELEASING AN ASB LIN NE TO A POST-FLIGHT CI		
7310	911MZ	BOLKMS	LYC			MANIFOLD	LEAKS	588	12/2/96
R7MA	S7098	BK117A3	LTS101650B1			430123604	ENGINE FUEL		98ZZZX583
		6. OTHER OPERATORS					F RELEASING AN ASB LIN NE TO A POST-FLIGHT CI		
7310	911MZ	BOLKMS	LYC			MANIFOLD	LEAKS		9/13/97
R7MA	S7098	BK117A3	LTS101650B1			43012364	ENGINE FUEL		98ZZZX570
		6. OTHER OPERATORS					F RELEASING AN ASB LIN NE TO A POST-FLIGHT CI		
7310	911MZ	BOLKMS	LYC			MANIFOLD	LEAKS	350	10/7/97
RMXA	S7098	BK117A3	LTS101650B1			43013761	ENGINE FUEL		98ZZZX569
		S. OTHER OPERATORS					F RELEASING AN ASB LIN NE TO A POST-FLIGHT CI		
7310	527MB	BOLKMS	LYC			MANIFOLD	LEAKS	175	9/25/93
RMXA	S7103	BK117A3	LTS101650B1			430123601	ENGINE FUEL		98ZZZX595
		6. OTHER OPERATORS					F RELEASING AN ASB LIN NE TO A POST-FLIGHT CI		
7310	527MB	BOLKMS	LYC			MANIFOLD	LEAKS	467	5/23/93
RMXA	S7103	BK117A3	LTS101650B1			43013761	ENGINE FUEL		98ZZZX597
		6. OTHER OPERATORS					F RELEASING AN ASB LIN NE TO A POST-FLIGHT CI		
7310	117MH	BOLKMS	LYC			MANIFOLD	LEAKS	279	1/21/93
RMXA	S7112	BK117A3	LTS101650B1			430128601	ENGINE FUEL		98ZZZX593
		S. OTHER OPERATORS					F RELEASING AN ASB LIN NE TO A POST-FLIGHT CI		
7310	117LS	BOLKMS	LYC			MANIFOLD	LEAKS	688	2/5/97
RMXA	S7113	BK117A3	LTS101650B1			430123604	ENGINE FUEL		98ZZZX579
		6. OTHER OPERATORS					F RELEASING AN ASB LIN NE TO A POST-FLIGHT CI		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7310	117LF	BOLKMS	LYC			MANIFOLD	LEAKS		7/13/97
RMXA	S7013	BK117A4	LTS101650B1			43012861	ENGINE FUEL		98ZZZX572
		S. OTHER OPERATORS					F RELEASING AN ASB LI )NE TO A POST-FLIGHT C		
7310	117M	BOLKMS	LYC			MANIFOLD	LEAKS	442	7/30/97
RMXA	S7023	BK117A4	LTS101650B1			43012364	ENGINE FUEL		98ZZZX571
		S. OTHER OPERATORS					F RELEASING AN ASB LI DNE TO A POST-FLIGHT C		
7310	117M	BOLKMS	LYC			MANIFOLD	LEAKS	16	1/23/97
RMXA	S7023	BK117A4	LTS101650B1			430123604	ENGINE FUEL		98ZZZX581
		S. OTHER OPERATORS					F RELEASING AN ASB LI DNE TO A POST-FLIGHT C		
7310	117M	BOLKMS	LYC			MANIFOLD	LEAKS		1/23/97
RMXA	S7023	BK117A4	LTS101650B1			430123604	ENGINE FUEL		98ZZZX580
		S. OTHER OPERATORS					F RELEASING AN ASB LI DNE TO A POST-FLIGHT C		
7310	8765J	BOLKMS	LYC			MANIFOLD	LEAKS		7/5/97
RMXA	S7054	BK117A4	LTS101650B1			43012364	ENGINE FUEL		98ZZZX575
		S. OTHER OPERATORS					F RELEASING AN ASB LI DNE TO A POST-FLIGHT C		
7310	8765J	BOLKMS	LYC			MANIFOLD	LEAKS		1/1/98
RMXA	S7054	BK117A4	LTS101650B1			43013761	ENGINE FUEL		98ZZZX568
****		S. OTHER OPERATORS					F RELEASING AN ASB LI DNE TO A POST-FLIGHT C		
7310	8765J	BOLKMS	LYC			MANIFOLD	LEAKS	48	7/22/97
RMXA	S7054	BK117A4	LTS101650B1			43012364	ENGINE FUEL		98ZZZX574
		S. OTHER OPERATORS					F RELEASING AN ASB LI )NE TO A POST-FLIGHT C		
7310	8765J	BOLKMS	LYC			MANIFOLD	LEAKS	22	7/31/97
RMXA	S7054	BK117A4	LTS101650B1			43012361	ENGINE FUEL		98ZZZX573
		S. OTHER OPERATORS					F RELEASING AN ASB LI DNE TO A POST-FLIGHT C		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7310	711FC	BOLKMS	LYC			MANIFOLD	LEAKS	243	5/29/93
RMXA	S7070	BK117A4	LTS101650B1			430128601	ENGINE FUEL		98ZZZX596
		S. OTHER OPERATORS					F RELEASING AN ASB LIN NNE TO A POST-FLIGHT CI		
7310	711FC	BOLKMS	LYC			MANIFOLD	LEAKS	79	6/15/97
R7MA	S7070	BK117A4	LTS101650B1			430137601	ENGINE FUEL		98ZZZX576
		S. OTHER OPERATORS					F RELEASING AN ASB LIN DNE TO A POST-FLIGHT CI		
7310	117NG	BOLKMS	LYC			MANIFOLD	LEAKS		10/15/93
RMXA	S7083	BK117A4	LTS101650B1			430137601	ENGINE FUEL		98ZZZX594
		S. OTHER OPERATORS					F RELEASING AN ASB LIN NNE TO A POST-FLIGHT CI		
7310	117NG	BOLKMS	LYC			MANIFOLD	LEAKS	184	2/28/96
RMXA	S7083	BK117A4	LTS101650B1			430123604	ENGINE FUEL		98ZZZX586
		S. OTHER OPERATORS					F RELEASING AN ASB LIN DNE TO A POST-FLIGHT CI		
7310	313LF	BOLKMS	LYC			MANIFOLD	LEAKS	584	5/17/97
R7MA	S7138	BK117A4	LTS101650B1			430128601	ENGINE FUEL		98ZZZX577
		S. OTHER OPERATORS					F RELEASING AN ASB LIN DNE TO A POST-FLIGHT CI		
7310	313LF	BOLKMS	LYC			MANIFOLD	LEAKS	440	7/23/94
RMXA	S7138	BK117A4	LTS101650B1			430128602	ENGINE FUEL		98ZZZX592
		S. OTHER OPERATORS					F RELEASING AN ASB LIN NE TO A POST-FLIGHT CI		
7310	213AE	BOLKMS	LYC			MANIFOLD	LEAKS	_	9/13/97
RMXA	7219	BK117B1	LTS101650B1			430137601	ENGINE FUEL		98ZZZX591
		S. OTHER OPERATORS					F RELEASING AN ASB LIN ONE TO A POST-FLIGHT CI		
7310	117LU	BOLKMS	LYC			MANIFOLD	LEAKS	186	5/6/96
RMXA	S7144	BK117B1	LTS101650B1			430128601	ENGINE FUEL		98ZZZX599
		S. OTHER OPERATORS					F RELEASING AN ASB LIN ONE TO A POST-FLIGHT CI		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7310	170MC	BOLKMS	LYC			MANIFOLD	LEAKS	821	4/28/96
RMXA	S7217	BK117B1	LTS101650B1			430137601	ENGINE FUEL		98ZZZX584
		S. OTHER OPERATORS					F RELEASING AN ASB LIMI' NE TO A POST-FLIGHT CHE		
7310	134AE	BOLKMS	LYC			FUEL NOZZLE	LEAK		2/5/98
HEEA	7237	BK117B2	LTS101750B1			430137601	ENGINE		HEEA0012769
	FUEL LEAK FROM	TUBE BETWEEN TWO	NOZZLES. FUEL LEA	AKS OUT ALONG BRA	AZE AT NOZZLE.				
7311	136AE	BOLKMS	LYC			PRE COOLER	CRACKED		1/26/98
HEEA	7234	BK117B2	LTS101650B1			1940683	FUEL/OIL		HEEA0012704
	PRE COOLER HAS	CRACKS IN STEEL TUI	BE. REPLACED WITH	SERVICEABLE PART					
2562	317MC	BOLKMS				BATTERY	DISCHARGED		11/21/97
TI1R	7505	BK117C1			ELT10	4520114	ELT		98ZZZX600
	ELT BATTERY MA	X ALLOWABLE DISCH	ARGE LIMITS REACH	HED. REMOVED AND	REPLACED.				
3160	901CF	DOUG				DISPLAY SYSTEM	MALFUNCTIONED	358	8/8/97
R7MA	90000012	MD900				900A3720002107	COCKPIT		98ZZZX661
	INTEGRATED INS	T DISPLAY SYSTEM TR	ACKING OF ENGINE	TIME INCORRECT. I	REPLACED WITH NE	EW UNIT, CORRECTED PR	OBLEM.		
5320	901CF	DOUG				SUPPORT ASSY	CRACKED	106	1/18/98
R7MA	90000012	MD900				900FF337012101	LT INLET		98ZZZX654
	LT INLET SUPPOR	T ASSY CRACKED BEY	OND SERVICEABLE	LIMITS. REPLACED	WITH NEW UNIT, CO	ORRECTED PROBLEM.			
5320	901CF	DOUG				SUPPORT ASSY	CRACKED	106	1/18/98
R7MA	90000012	MD900				900FF337012102	RT INLET		98ZZZX653
	RT INLET SUPPOR	T ASSY CRACKED BEY	OND SERVICEABLE	LIMITS. REPLACED	WITH NEW UNIT, CO	ORRECTED PROBLEM.			
6230	901CF	DOUG				LINK ASSY	WORN	254	12/30/97
R7MA	90000012	MD900				900C2010183107	M/R		98ZZZX667
	DRIVE SCISSORS I	LINK ASSY HAS EXCES	SSIVE PLAY (.105 INC	H) CAUSING AIRFRA	ME VIBRATION. RE	PLACED WITH NEW UNIT	C, CORRECTED PROBLEM.		
6230	901CF	DOUG				LINK ASSY	WORN	988	7/31/97
R7MA	90000012	MD900				900C2010183107	M/R		98ZZZX663
	DRIVE SCISSORS I	LINK ASSY HAS EXCES	SSIVE PLAY (.128 INC	H). REPLACED WITH	NEW UNIT, CORRE	CTED PROBLEM.			
6300	901CF	DOUG				SENSOR	FAILED	106	1/18/98
R7MA	90000012	MD900				8866	M/R		98ZZZX651
	VIBRATION SENSO	OR UNIT REPEATEDLY	TRIGGERS BMS FAU	JLT 4 ON CHANNEL 2	. REPLACED WITH	NEW UNIT, CORRECTED I	PROBLEM.		
6310	901CF	DOUG				INPUT PINION	LEAKING	333	8/5/97
R7MA	90000012	MD900				900D1400528101	M/R DRIVE		98ZZZX662
	INPUT PINION LEA	AKING BEYOND SERVI	CEABLE LIMITS. RE	PLACED WITH NEW I	UNIT, CORRECTED I	PROBLEM.			
6310	901CF	DOUG				INPUT PINION	DAMAGED	150	8/5/97
R7MA	90000012	MD900				900D1400528101	M/R DRIVE		98ZZZX665
		PINION FROM MCDON ΓUBE WAS BONDED ΒΑ			,	FOUND THE DRAIN TUBE	WAS BENT. WHILE TRYING	G TO STRAI	GHTEN THE TUBE, IT

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO	
6310	901CF	DOUG				INPUT PINION	LEAKING	593	1/18/98	
R7MA	90000012	MD900				900D1400528101	M/R DRIVE		98ZZZX657	
	INPUT PINION AS	SY LEAKING OIL BEYO	ND SERVICEABLE L	IMITS. REPLACED W	TTH NEW UNIT, CO	RRECTED PROBLEM.				
6320	901CF	DOUG				HOSE	LEAKING	697	11/28/97	
R7MA	90000012	MD900				900D3409526105	M/R GEARBOX		98ZZZX666	
	OIL HOSE LEAKIN	NG BEYOND SERVICEA	BLE LIMITS. REPLA	CED WITH NEW UNIT	C, CORRECTED PROF	BLEM.				
6710	901CF	DOUG				PITCH LINK	WORN	598	8/28/97	
R7MA	90000012	MD900				900C2010214101	M/R CONTROL		98ZZZX660	
	PITCH LINK ASSY	HAS EXCESSIVE PLAY	Z. REPLACED WITH 5	EACH NEW UNITS, O	CORRECTED PROBL	EM.				
6720	901CF	DOUG				BEARING RACE	WORN	1684	8/28/97	
R7MA	90000012	MD900				900F2421545105	NOTAR THRUSTER		98ZZZX658	
	THRUSTER BEAR	ING RACE WORN BEYO	OND SERVICEABLE L	IMITS. REPLACED W	ITH NEW UNIT, CO	RRECTED PROBLEM.				
6720	901CF	DOUG				BLADE	ERODED	1684	8/28/97	
R7MA	90000012	MD900				900R2442012103	NOTAR FAN		98ZZZX659	
	NOTAR FAN BLAI	DE ASSY HAS EXCESSI	VE EROSION. REPLA	CED WITH NEW UNIT	Г, CORRECTED PRO	BLEM.				
6720	901CF	DOUG				BEARING	WORN	598	8/28/97	
R7MA	90000012	MD900				CEKP3AR112	T/R		98ZZZX664	
	CONTROL BEARIN	NG WORN BEYOND SEI	RVICEABLE LIMITS.	REPLACED WITH 2 E	EACH NEW UNITS, C	ORRECTED PROBLEM.				
6720	901CF	DOUG				BLADE	ERODED	1684	8/28/97	
R7MA	90000012	MD900				900R2442012103	NOTAR FAN		98ZZZX669	
	NOTAR FAN BLADE ASSY HAS EXCESSIVE EROSION. REPLACED WITH NEW UNIT, CORRECTED PROBLEM.									
6720	901CF	DOUG				ACTUATOR	FAILED	106	1/18/98	
R7MA	90000012	MD900				900CF330001101	INLET DOOR		98ZZZX652	
	INLET DOOR LINE	EAR ACTUATOR UNIT I	NOPERATIVE. WILL	NOT ACTUATE. REP	PLACED WITH NEW	UNIT, CORRECTED PROB	LEM.			
7920	901CF	DOUG				HOSE	LEAKING	1878	1/20/98	
R7MA	90000012	MD900				900P3650000105	LT ENG OIL		98ZZZX668	
	LT ENGINE OIL H	OSE LEAKING BEYOND	SERVICEABLE LIM	ITS. REPLACED WITI	H NEW UNIT, CORRI	ECTED PROBLEM.				
7920	901CF	DOUG				HOSE	LEAKING	1878	1/18/98	
R7MA	90000012	MD900				900P3650000105	LT ENG OIL		98ZZZX655	
	LT ENGINE OIL H	OSE LEAKING BEYONE	SERVICEABLE LIM	ITS. REPLACED WITI	H NEW UNIT, CORRI	ECTED PROBLEM.				
7323	1097J	HUGHES	ALLSN			GOVERNOR	MALFUNCTION		1/16/98	
LS1R	900801D	369D	250C20B			23057870	ENGINE PT	287	98ZZZX500	
	GOVERNOR DROG	OPS EXCESSIVELY WHI	EN POWER IS APPLIE	D AND IS SLOW TO F	RESPOND.					
7412	1097J	HUGHES	ALLSN			EXCITER	FAILED		1/19/98	
LS1R	900801D	369D	250C20B			49522	ENGINE IGNITER		98ZZZX506	
		R HAD INTERNAL FAII		XCITE. SENT FOR RI	EPAIR.					

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO			
2432	911MJ	SKRSKY				BATTERY	FAILLED		2/5/98			
HEEA	760231	S76A				30126002S	DC SYS		HEEA0012766			
	SENSOR CONNEC	TOR DISCONNECTED F	ROM BATTERY CIRC	CUIT BREAKER STAY	S IN. WHEN TEMP	ON MASTER ELECTRICAL SENSOR CONNECTOR COI SERVICEABLE BATTERY.						
3444	5426U	SKRSKY				ALTIMETER	FAILED		2/5/98			
HEEA	760167	S76A			KRA405	066104800	COCKPIT		HEEA0012785			
	RADAR ALTIMET	ER NEEDLE FLUCTUAT	TING AND WILL NOT	SELF TEST PROPERL	Y.							
3454	22342	SKRSKY				NAV CONTROL	FAILED		2/5/98			
HEEA	760096	S76A				071121627	COCKPIT		HEEA0012786			
	NAV CONTROL UNIT CAUSES NO DISPLAY ON KTS143 TEST BOX. CDI NEEDLE WILL NOT MOVE ON HSI.											
6210	1545X	SKRSKY				BLADE	SEPARATION	12229	2/5/98			
HEEA	760050	S76A				7615009100042A	M/R		HEEA0012783			
	M/R BLADE FIBER	RGLASS SEPARATED UI	NDERNEATH THE SP	LICE TITANIUM AT S	STATION 112.5 ON B	OTH SURFACES. THE TRI	M TAB HAS SOME SEPAR	ATION ALSO.				
6210	5128	SKRSKY				TIP CAP	DAMAGED		2/5/98			
HEEA	760181	S76A				7615009043050	M/R		HEEA0012768			
	BLADE END CAP	OF TIP CAP IS DAMAGE	ED.									
6210	31219	SKRSKY				BLADE	DEFECTIVE	9890	2/5/98			
HEEA	760230	S76A				7615009100051A	M/R		HEEA0012782			
	BLADE TRIM TAB	SPLIT OPEN AND SEPA	ARATED.									
6210	31219	SKRSKY				BLADE	UNBONDED	10457	2/5/98			
HEEA	760230	S76A				7615009100048A	M/R		HEEA0012781			
	M/R BLADE TIP R	IB UNBONDED.										
6310	60951	SNIAS				PIN	WORN	4954	2/5/98			
HEEA	2771	AS350B2				350A35106920	GIMBLE JOINT		HEEA0012761			
	GIMBLE JOINT PI	N WORN. SCRAPPED AT	ГРНІ.									
6520	992BH	SNIAS				LAMIFICATION	TORN	71	11/19/96			
HCMA	2889	AS350B2				350A33215300	REAR ROTOR		HAIHCMA0070			
	REAR ROTOR LAN	MIFICATIONS ARE TO	RN BEYOND LIMITS	l.								
End of DC	MESTIC SERVICE	DIFFICULTY REPOR	T SUMMARY - HE	LICOPTERS)								

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO	
8520	120VT	AMTR	ROTAX			ENGINE	SEIZED		1/16/98	
	0222	MINI500	ROTAX582				CRANKSHAFT		98ZZZX486	
****	COUNTEWEIGHT		E WAY REVOLUTION	N INSTALLS BEARING	G ON END OF CLUTO	CH. IT IS HELD STATIONA	SHAFT. SERVICE CENTER A RY WHICH DOES NOT ALL			
8530	191WE	BEECH	CONT			PISTON PIN	BROKEN		11/14/97	
	TE1059	E55	IO520C			SA630046	NR 3 CYLINDER	740	98ZZZX520	
	ENGINE DISASSE	MBLED FOR OVERHAU	IL. UPON NR 3 CYLIN	NDER REMOVAL, PIS	TON PIN PN SA63004	46 FOUND BROKEN. NO O	THER DAMAGE NOTED.			
7320	499CZ	BEECH	PWA			ROD END	DEFECTIVE		1/13/98	
KCQA	U81	99A	PT6A27			3008787	CAM BOX TO FCU		98ZZZX534	
****	ENGINE POWER V 1,129 HOURS.	WOULD NOT DECREASI	E DUE TO TIGHT RO	D END CONNECTOR I	FROM CAM BOX TO	FCU DEFECTIVE. TAT: 3	0,824 HOURS. ENGINE TSN	: 4,295 HOUI	RS. ENGINE TSO:	
7250	129MR	BELL	ALLSN			SUPPORT	DAMAGED		2/3/98	
HEEA	51129	206L3	250C30P		23035128	23034775	ENG GAS PROD		HEEA0012759	
	RECEIVING INSPE	ECTION REVEALED: DA	AMAGED ON GP SUP	PORT AFT FLANGE. II	NSTALLED A DALL	AS AIRMOTIVE OVERHAU	LED GP SUPPORT.			
7314	5742N	BELL				FUEL PUMP	WORN	14063	2/5/98	
HEEA	45477	206L1				3881005	ENGINE		HEEA0012767	
	FUEL PUMP EXCESSIVELY WORN INTERNAL SPLINES.									
7310	6992	BELL	LYC			MANIFOLD	LEAKS		4/1/96	
RMXA	47521	222U	LTS101750C1			430137601	ENGINE FUEL		98ZZZX585	
		S. OTHER OPERATORS					F RELEASING AN ASB LIM ONE TO A POST-FLIGHT CH			
7310	6992	BELL	LYC			MANIFOLD	LEAKS		5/11/97	
RMXA	47521	222U	LTS101750C1			430123604	ENGINE FUEL		98ZZZX578	
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CH			
7310	6992	BELL	LYC			MANIFOLD	LEAKS		11/14/95	
RMXA	47521	222U	LTS101750C1			430128601	ENGINE FUEL		98ZZZX588	
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CH			
7261	230UN	BELL				FILTER	DEFECTIVE		2/2/98	
HEEA	23009	230				174250008	ENG OIL		HEEA0012756	
	ENG OIL FILTER N	NO BYPASS INDICATIO	N.							
7310	3893P	BELL	PWA			CARTRIDGE	LEAKING		2/5/98	
HEEA	33012	412	РТ6Т3В			2C273	ENG FUEL		HEEA0012784	
				ING FUEL FOUND AT	DAPTER THAT HOLD	OS PLUG HAS EXCESSIVE				

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7230	202LF	BOLKMS	ALLSN			GEARSHAFT	WORN	647	11/22/97
R7MA	2014	BO105LSA3	250C28			23056634	SPUR ADAPTER		98ZZZX508
	SPUR ADAPTER G	EARSHAFT HAD EXCE	SSIVE SPLINE WEAR	. REPLACED WITH N	EW UNIT, CORRECT	ED PROBLEM.			
7250	5421E	BOLKMS				PT SUPPORT	DEFECTIVE		2/3/98
HEEA	S806	BO105S			6898735	6898730	ENGINE		HEEA0012758
		ED DUE TO CYCLES. U R7 DAMPER GROOVE.	JPON INSPECTION OF	F TURBINE PARTS NO	OTED: MEASURED .0	003 OVER SPECS (1.764-1.7	61) ON PT SUPPORT NR6 D	OAMPER GRO	OVE AND CHROME
7313	5421E	BOLKMS				NOZZLE	CRACKED		2/3/98
HEEA	S806	BO105S			6898735	6879867	NR 3		HEEA0012757
		ED DUE TO CYCLES. U LED A STANDARD AEI			TED: CRACKED BE	YOND SERVICEABLE LIM	IITS ON NR3 NOZZLE FOR	WARD FLANC	GE AND AREAS
7310	117LG	BOLKMS	LYC			MANIFOLD	LEAKS		5/9/93
RMXA	S7032	BK117A1	LTS101650B1			43012861	ENGINE FUEL		98ZZZX598
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CE		
7310	4493X	BOLKMS	LYC			MANIFOLD	LEAKS	142	12/16/98
RMXA	S7038	BK117A3	LTS101650B1			43013761	ENGINE FUEL		98ZZZX582
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CE		
7310	117CH	BOLKMS	LYC			MANIFOLD	LEAKS	29	1/12/96
RMXA	S7061	BK117A3	LTS101650B1			430137601	ENGINE FUEL		98ZZZX587
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CE		
7310	1140H	BOLKMS	LYC			MANIFOLD	LEAKS	1085	6/16/95
RMXA	S7078	BK117A3	LTS101650B1			430137601	ENGINE FUEL		98ZZZX590
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CE		
7310	1140H	BOLKMS	LYC			MANIFOLD	LEAKS	813	6/27/95
RMXA	S7078	BK117A3	LTS101650B1			43013761	ENGINE FUEL		98ZZZX589
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CE		
7310	911MZ	BOLKMS	LYC			MANIFOLD	LEAKS	588	12/2/96
R7MA	S7098	BK117A3	LTS101650B1			430123604	ENGINE FUEL		98ZZZX583
		S. OTHER OPERATORS					F RELEASING AN ASB LIM ONE TO A POST-FLIGHT CE		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7310	911MZ	BOLKMS	LYC			MANIFOLD	LEAKS	350	10/7/97
RMXA	S7098	BK117A3	LTS101650B1			43013761	ENGINE FUEL		98ZZZX569
		S. OTHER OPERATORS					F RELEASING AN ASB LI NE TO A POST-FLIGHT C		
7310	911MZ	BOLKMS	LYC			MANIFOLD	LEAKS		9/13/97
R7MA	S7098	BK117A3	LTS101650B1			43012364	ENGINE FUEL		98ZZZX570
		S. OTHER OPERATORS					F RELEASING AN ASB LI NE TO A POST-FLIGHT C		
7310	527MB	BOLKMS	LYC			MANIFOLD	LEAKS	467	5/23/93
RMXA	S7103	BK117A3	LTS101650B1			43013761	ENGINE FUEL		98ZZZX597
		S. OTHER OPERATORS					F RELEASING AN ASB LI NE TO A POST-FLIGHT C		
7310	527MB	BOLKMS	LYC			MANIFOLD	LEAKS	175	9/25/93
RMXA	S7103	BK117A3	LTS101650B1			430123601	ENGINE FUEL		98ZZZX595
		S. OTHER OPERATORS					F RELEASING AN ASB LI NE TO A POST-FLIGHT C		
7310	117MH	BOLKMS	LYC			MANIFOLD	LEAKS	279	1/21/93
RMXA	S7112	BK117A3	LTS101650B1			430128601	ENGINE FUEL		98ZZZX593
		S. OTHER OPERATORS					F RELEASING AN ASB LI NE TO A POST-FLIGHT C		
7310	117LS	BOLKMS	LYC			MANIFOLD	LEAKS	688	2/5/97
RMXA	S7113	BK117A3	LTS101650B1			430123604	ENGINE FUEL		98ZZZX579
		S. OTHER OPERATORS					F RELEASING AN ASB LI NE TO A POST-FLIGHT C		
7310	117LF	BOLKMS	LYC			MANIFOLD	LEAKS		7/13/97
RMXA	S7013	BK117A4	LTS101650B1			43012861	ENGINE FUEL		98ZZZX572
		S. OTHER OPERATORS					F RELEASING AN ASB LI NE TO A POST-FLIGHT C		
7310	117M	BOLKMS	LYC			MANIFOLD	LEAKS	16	1/23/97
RMXA	S7023	BK117A4	LTS101650B1			430123604	ENGINE FUEL		98ZZZX581
		S. OTHER OPERATORS					F RELEASING AN ASB LI NE TO A POST-FLIGHT C		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7310	117M	BOLKMS	LYC			MANIFOLD	LEAKS	442	7/30/97
RMXA	S7023	BK117A4	LTS101650B1			43012364	ENGINE FUEL		98ZZZX571
		S. OTHER OPERATORS					F RELEASING AN ASB LI )NE TO A POST-FLIGHT C		
7310	117M	BOLKMS	LYC			MANIFOLD	LEAKS		1/23/97
RMXA	S7023	BK117A4	LTS101650B1			430123604	ENGINE FUEL		98ZZZX580
		S. OTHER OPERATORS					F RELEASING AN ASB LI NNE TO A POST-FLIGHT C		
7310	8765J	BOLKMS	LYC			MANIFOLD	LEAKS		1/1/98
RMXA	S7054	BK117A4	LTS101650B1			43013761	ENGINE FUEL		98ZZZX568
****		S. OTHER OPERATORS					F RELEASING AN ASB LI NNE TO A POST-FLIGHT C		
7310	8765J	BOLKMS	LYC			MANIFOLD	LEAKS		7/5/97
RMXA	S7054	BK117A4	LTS101650B1			43012364	ENGINE FUEL		98ZZZX575
		S. OTHER OPERATORS					F RELEASING AN ASB LI DNE TO A POST-FLIGHT C		
7310	8765J	BOLKMS	LYC			MANIFOLD	LEAKS	48	7/22/97
RMXA	S7054	BK117A4	LTS101650B1			43012364	ENGINE FUEL		98ZZZX574
		S. OTHER OPERATORS					F RELEASING AN ASB LI )NE TO A POST-FLIGHT C		
7310	8765J	BOLKMS	LYC			MANIFOLD	LEAKS	22	7/31/97
RMXA	S7054	BK117A4	LTS101650B1			43012361	ENGINE FUEL		98ZZZX573
		S. OTHER OPERATORS					F RELEASING AN ASB LI NNE TO A POST-FLIGHT C		
7310	711FC	BOLKMS	LYC			MANIFOLD	LEAKS	79	6/15/97
R7MA	S7070	BK117A4	LTS101650B1			430137601	ENGINE FUEL		98ZZZX576
		S. OTHER OPERATORS					F RELEASING AN ASB LI )NE TO A POST-FLIGHT C		
7310	711FC	BOLKMS	LYC			MANIFOLD	LEAKS	243	5/29/93
RMXA	S7070	BK117A4	LTS101650B1			430128601	ENGINE FUEL		98ZZZX596
		S. OTHER OPERATORS					F RELEASING AN ASB LI )NE TO A POST-FLIGHT C		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7310	117NG	BOLKMS	LYC			MANIFOLD	LEAKS		10/15/93
RMXA	S7083	BK117A4	LTS101650B1			430137601	ENGINE FUEL		98ZZZX594
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CE		
7310	117NG	BOLKMS	LYC			MANIFOLD	LEAKS	184	2/28/96
RMXA	S7083	BK117A4	LTS101650B1			430123604	ENGINE FUEL		98ZZZX586
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CE		
7310	313LF	BOLKMS	LYC			MANIFOLD	LEAKS	584	5/17/97
R7MA	S7138	BK117A4	LTS101650B1			430128601	ENGINE FUEL		98ZZZX577
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CE		
7310	313LF	BOLKMS	LYC			MANIFOLD	LEAKS	440	7/23/94
RMXA	S7138	BK117A4	LTS101650B1			430128602	ENGINE FUEL		98ZZZX592
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CE		
7310	213AE	BOLKMS	LYC			MANIFOLD	LEAKS		9/13/97
RMXA	7219	BK117B1	LTS101650B1			430137601	ENGINE FUEL		98ZZZX591
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CH		
7310	117LU	BOLKMS	LYC			MANIFOLD	LEAKS	186	5/6/96
RMXA	S7144	BK117B1	LTS101650B1			430128601	ENGINE FUEL		98ZZZX599
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CH		
7310	170MC	BOLKMS	LYC			MANIFOLD	LEAKS	821	4/28/96
RMXA	S7217	BK117B1	LTS101650B1			430137601	ENGINE FUEL		98ZZZX584
		S. OTHER OPERATORS					F RELEASING AN ASB LIM NE TO A POST-FLIGHT CE		
7310	134AE	BOLKMS	LYC			FUEL NOZZLE	LEAK		2/5/98
HEEA	7237	BK117B2	LTS101750B1			430137601	ENGINE		HEEA0012769
	FUEL LEAK FROM	I TUBE BETWEEN TWO	NOZZLES. FUEL LE	AKS OUT ALONG BRA	AZE AT NOZZLE.				
7311	136AE	BOLKMS	LYC			PRE COOLER	CRACKED		1/26/98
HEEA	7234	BK117B2	LTS101650B1			1940683	FUEL/OIL		HEEA0012704
	PRE COOLER HAS	CRACKS IN STEEL TU	BE. REPLACED WITH	I SERVICEABLE PART	Γ.				

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO			
7414	6913E	CESSNA	LYC		BENDIX	IMPULSE COUPLING	WORN	9	1/23/98			
NG2R	56413	175A	O360A1A		S4LN21	1059474	LT MAGNETO		98ZZZX528			
		- ,				ID FOUND EXCESS PLAY I PRIOR TO INSTALLATION.	N IMPULSE COUPLING AND	MAG DRIV	E. SENT OUT FOR			
8530	36989	CESSNA	CONT			CYLINDER	SEPARATION		1/30/98			
VA1R	414A0503	414A	TSIO520NB			65345	BARREL JOINT	160	98ZZZX505			
	AND THE OEM NU	JMBER IS OF A LATER : S HAD BEEN RECONDI	DESIGN THAN CLYI TIONED BY CHROM	NDER P/N DESCRIBEI E-PLATING AND NEW	D IN SB M86-7 AND A W HEAD PARTS HAD	AD 86-13-04R3 RELATING T BEEN INSTALLED AT THI	E-MANUFACTURED IN JANU O CERTAIN OEM CYLINDER S TIME OF RECONDITIONIN PROLONGED HEAT AND CY	RS). SUBM G. SUBMIT	ITTER NOTES			
8530	297DB	CESSNA	CONT			VALVE	WORN	101	1/30/98			
VA1R	421C0826	421C	GTSIO520L			652956	CYL 1-2-6		98ZZZX503			
8520	WEAR AS MUCH A	AS .081 INCH ON ONE O	F THE TIPS AND API	PROXIMATELY .090 IN	NCH AND .095 INCH	ON THE OTHER TWO VAL	EXTREME WEAR. WHEN CO VES. CONSTRUCTION OF TE EPARATED FROM THE VAL FAILED	HE VALVES	S INVOLVES A			
HXUA	143153	500B	IO540B1A5			66734	NR 5 CYLINDER	250	98ZZZX554			
	NR 5 CYLINDER T	HROUGH-STUD BROKI GESTED A POSSIBLE CA				OSE. ENGINE RAN ROUGH	. ENGINE SHUT DOWN AND	SAFE LAN	NDING MADE.			
7323	1097J	HUGHES	ALLSN			GOVERNOR	MALFUNCTION		1/16/98			
LS1R	900801D	369D	250C20B			23057870	ENGINE PT	287	98ZZZX500			
	GOVERNOR DROC	OPS EXCESSIVELY WHI	EN POWER IS APPLIE	ED AND IS SLOW TO F	RESPOND.							
7412	1097J	HUGHES	ALLSN			EXCITER	FAILED		1/19/98			
LS1R	900801D	369D	250C20B			49522	ENGINE IGNITER		98ZZZX506			
	IGNITION EXCITE	IGNITION EXCITER HAD INTERNAL FAILURE, WOULD NOT EXCITE. SENT FOR REPAIR.										
8520	6805L	PIPER	LYC			LIFTER	SPALLED	74	1/20/98			
EKIR	31P7	PA31P	TIGO541E1A			LW15861	NR 4 CYL EXHAUST		98ZZZX523			
		XHAUST LIFTER SPAL SCREEN AND FILTER					OOKED GOOD. ENGINE WAS	S FACTORY	OVERHAULED 7/97.			

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3444	206LS	BELL				ALTIMETER	FAILED		2/5/98
HEEA	51070	206L3				066106103	COCKPIT		HEEA0012787
	RADAR ALTIMET	ER READS 200 FEET AT	ALL TIMES.						
3452	104PH	BELL				TRANSCEIVER	FAILED		2/5/98
HEEA	3622	206B3			KT76	066106200	COCKPIT		HEEA0012788
	TRANSPONDER IN	NOPERATIVE.							
3452	2124Z	BELL				TRANSCEIVER	FAILED		2/5/98
HEEA	45646	206L1			KT76	066106200	COCKPIT		HEEA0012762
	TRANSCEIVER NO	O POWER. ADJUSTED C	AVITY FOR GOOD PO	OWER OUT AND ON F	FREQUENCY. REPL	ACED WEAK V301 PHOTO	DETECTOR. BENCH CHECK	GOOD.	
3457	6160Z	BELL				GPS	FAILED		2/5/98
HEEA	51610	206L3			GPS150	0110005400	COCKPIT		HEEA0012789
	GPS BATTERY LO	W INDICATED.							
3455	3131S	BELL				RECEIVER	FAILED		2/5/98
HEEA	30953	212				066104701	ADF		HEEA0012771
	ADF RECEIVER SI	LOW TO POINT AND LO	W AUDIO.						
3452	406PH	BELL				TRANSCEIVER	FAILED		2/5/98
HEEA	53198	407			KT76	066106200	COCKPIT		HEEA0012780
	TRANSPONDER D	OESN'T POWER UP. PEI	RFORMED PRELIMIN	ARY INSPECTION. F	OUND UNIT NOT RE	ECEIVING AND IDENT LIG	HT BLINKS. SWAPPED V101	CAVITY T	UBE. NO HELP.
3457	1167G	BELL				NAV COMM	INOPERATIVE		1/26/98
HEEA	53067	407			KLX135	069010290703	COCKPIT		HEEA0012705
	GPS/NAV COMM N	MESSAGE BUTTON INO	PERATIVE.						
2312	5759N	BELL				TRANSCEIVER	FAILED		2/5/98
HEEA	33002	412			KTR905	064100900	COCKPIT		HEEA0012770
		ILL NOT TRANSMIT. FO D TRANSMIT OR RECEI		CEIVING. FOUND V20	) NOT WORKING. R	EPLACED Q209, Q208, Q20	3, Q204, AND Q221 TRANSIS	TORS, CR20	99 DIODE, I216 AND
2370	2261D	BELL				CVR	FAILED	327	2/5/98
HEEA	33076	412				9806020023	COCKPIT		HEEA0012776
	TEST LIGHT REM	AINS ON ALL THE TIMI	E. TIME SINCE REPA	IR 0:00.					
2211	7060G	BOLKMS				COMPUTER	MALFUNCTIONED	61	12/26/97
R7MA	7173	BK117B1				117884141	YAW CSAS		98ZZZX650
	AIRCRAFT EXPER	RIENCED OSCILLATION	S DURING FLIGHT.	REPLACED YAW/CSA	S COMPUTER WITH	I NEW UNIT, CORRECTED	PROBLEM.		
2211	7060G	BOLKMS				COMPUTER	FAILED	1	12/1/97
R7MA	7173	BK117B1				117884141	YAW CSAS		98ZZZX648
	YAW/CSAS COMP	UTER CAUSES OSCILL	ATIONS DURING FLI	GHT. FAILED JUST A	FTER INSTALL. TIM	ME SINCE REPAIR IS .5 HR	REPLACED WITH NEW UN	IT, CORREC	TED PROBLEM.
2211	7060G	BOLKMS				COMPUTER	FAILED	25	12/1/97
R7MA	7173	BK117B1				117884141	YAW CSAS		98ZZZX649
	FAILED VALVE C		17B1 MM CHAPTER	709. REPLACED YAW	//CSAS COMPUTER	WITH NEW UNIT, CORREC	CTED PROBLEM.		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO		
3431	136AE	BOLKMS				RECEIVER	FAILED		2/5/98		
HEEA	7234	BK117B2			KX165	069102525	COCKPIT		HEEA0012772		
	LOC RECEIVER N	OT PULLING FLAG.									
3452	911NC	BOLKMS				TRANSPONDER	FAILED		2/5/98		
HEEA	7026	BK117A3				066107100	COCKPIT		HEEA0012773		
	TRANSPONDER H	IAS NO OUTPUT.									
3454	7040U	BOLKMS				INDICATOR	FAILED		1/26/98		
HEEA	7180	BK117A3				066308105	COCKPIT NAV		HEEA0012690		
	COMPASS FLAG S	STAYS IN VIEW.									
3457	217UC	BOLKMS				GPS	FAILED		2/5/98		
HEEA	7152	BK117B1			GPS165	0110010600	COCKPIT		HEEA0012775		
	GPS WILL NOT CI	HARGE GPS BATTERY.									
2562	317MC	BOLKMS				BATTERY	DISCHARGED		11/21/97		
TI1R	7505	BK117C1			ELT10	4520114	ELT		98ZZZX600		
	ELT BATTERY MA	AX ALLOWABLE DISCH	IARGE LIMITS REACI	HED. REMOVED AND	REPLACED.						
3440	6204X	CESSNA				LINE	CRACKED	2547	1/17/98		
	310R1336	310R				560011830	ANTI ICE		98ZZZX545		
	ALCOHOL WINDS	SHIELD ANTI-ICE LINE	COMING OUT OF PU	MP CRACKED AT 90 I	DEGREE BEND ON IN	NSIDE RADIUS.					
6113	414VA	CESSNA				BULKHEAD	CRACKED	90	1/28/98		
VA1R	414A0442	414A				E6178	PROP SPINNER		98ZZZX639		
		EAD INSTALLED FOR P AFT MODIFIED PER STO				ED. SUBMITTER STATED	FOUND THIS ON MANY OT	HER AIRCR	AFT. THIS SPINNER IS		
6113	414VA	CESSNA				BULKHEAD	CRACKED		1/22/98		
VA1R	414A0442	414A				E6178	SPINNER		98ZZZX547		
	SPINNER BULKH ON OTHER AIRCF	EAD INSTALLED FOR S' RAFT WITH SAME MODI	TC SA7633SW LIQUIE IFICATION. APPEARS	O COOLED ENGINE IN S THE MACHINING O	ISTALLATION WITH F METAL FOR BULK	I PROPELLER MODEL 3AF: KHEAD MATERIAL IS ROU	365C514-C/G-80VMFA-2 FOU GH CAUSING STRESS AROU	JND CRACK JND HOLES	ED NUMEROUS TIMES		
3160	901CF	DOUG				DISPLAY SYSTEM	MALFUNCTIONED	358	8/8/97		
R7MA	90000012	MD900				900A3720002107	COCKPIT		98ZZZX661		
	INTEGRATED INS	ST DISPLAY SYSTEM TR	RACKING OF ENGINE	TIME INCORRECT.	REPLACED WITH N	EW UNIT, CORRECTED PRO	OBLEM.				
6113	808RK	PIPER				BULKHEAD	CRACKED	605	1/22/98		
MOGR	287415225	PA28151				35323012	PROP SPINNER		98ZZZX621		
							CRACKS EMANATED FROM REPLACED BULKHEAD WI				
3444	5426U	SKRSKY				ALTIMETER	FAILED		2/5/98		
HEEA	760167	S76A			KRA405	066104800	COCKPIT		HEEA0012785		
	RADAR ALTIMETER NEEDLE FLUCTUATING AND WILL NOT SELF TEST PROPERLY.										
3454	22342	SKRSKY				NAV CONTROL	FAILED		2/5/98		
HEEA	760096	S76A				071121627	COCKPIT		HEEA0012786		

DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - COMPONENTS (cont'd)

2/8/98 To 2/14/98 ISSUE: 98-07 ZAC-327

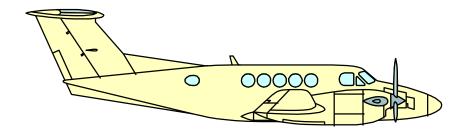
ATA REG. NO ACFT MAKE ENG MAKE PROP MAKE COMP MFG PART NAME PART COND TT DIFF. DATE **OPER** TSO OPER CONT NO **SERIAL NO** ACFT MODEL ENG MDL PROP MDL COMP MDL PART NUMBER PART LOC.

(End of DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - COMPONENTS)

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6111	8015R	BEECH		MCAULY		BLADE	CORRODED		1/20/98
	MC54	A24R		2D34C9		S78FBM15	THREADS		98ZZZX518
		ND BELOW THE PTICH MES OF AD 91-15-04 MA			ADE TO BE UNAIRV	VORTHY PER MCAULEY S	M NR 720415. SUBMITTI	ER STATED AD	HERING TO PROPER
6111	8015R	BEECH		MCAULY		BLADE	CORRODED		1/20/98
	MC54	A24R		2D34C9		S78FBM15	THREADS		98ZZZX517
		FOUND BELOW TTE PI MPLIANCE TIMES OF A				TO BE UNAIRWORTHY PE	R MCCAULEY SM NR 72	0415. SUBMITT	TER STATED
6114	8015R	BEECH		MCAULY		HUB	CRACKED		1/20/98
	MC54	A24R		2D34C9		D6468C9	THREADS		98ZZZX516
		OUND IN THE THREADS ME OF THE AD HAD BEE		G IT UNAIRWORTHY	PER AD 91-15-04. TI	HE DEFECT POSSIBLY CO	ULD HAVE BEEN FOUND	AT AN EARLII	ER DATE IF
6114		BEECH		MCAULY		HUB	MISDRILLED		1/12/98
EK2R		B35		2A36C23		C6447C23	PROPELLER		98ZZZX524
	OIL FILLER HOLE	ON SIDE OF PROPELLE	ER HUB DRILLED IN	WRONG LOCATION.	REF: MCCAULEY S	L 1989-5 AND SL 1995-14A			
6114	8835M	BEECH		MCAULY		HUB	MISDRILLED		1/12/98
EX2R	D7353	S35		2A36C23		C6447C23	PROPELLER		98ZZZX511
	OIL FILLER HOLE	ON SIDE OF HUB DRIL	LED IN WRONG LOC	ATION. REF: MCCA	ULEY SL1989-5 AND	SL1995-14A.			
6110		SOCATA		HARTZL		ROD	DEFECTIVE		12/1/96
		TBM700		HCE4N3		6071	PROP ASSY		EY2R9601684
	PROP ASSY SN 132	21 IS DEFECTIVE							
End of DC	MESTIC SERVICE	DIFFICULTY REPOR	T SUMMARY - PRO	OPELLERS)					



# INTERNATIONAL SERVICE DIFFICULTY REPORT



ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7540		BEECH	PWA	HARTZL		SWITCH	MIS INSTALLED		12/25/97
		200BEECH	PT6A42	HCB3TN3		903800021	BLEED AIR IND		AU971653
		BLEED AIR SENSE LIN DR 97/1609 FOR MORE		H LINE CONNECTED	ГО RH SWITCH AND	VICE VERSA. A HOLE IN T	THE RH SENSE LINE ACTIV	VATED THE I	LH BLEED AIR
7540		ВЕЕСН	PWA	HARTZL		SWITCH	MIS WIRED		12/15/97
		200BEECH	PT6A42	HCB3TN3		903800021	BLEED AIR IND		AU971609
	` /	AIR WARNING SWITCH RNING LIGHT. PERSON			SWITCH. RH BLEED	AIR SENSE LINE CONTAIN	NED A SMALL HOLE WHIC	CH HAD ACTI	VATED THE
7714		BEECH	PWA	HARTZL		TACH GENERATOR	FAILED		12/18/97
		200BEECH	PT6A41	HCB3TN3		AN55443	ENGINE N1		AU971614
	(AUS) RH ENGINE	N1 TACH GENERATOR	DRIVE SHAFT SHEA	ARED					
2432		BEECH	CONT	BEECH	BEECH	BATTERY	CORRODED		1/13/98
		G35	E2258	215107	G35		DC SYS		AU980015
	(AUS) BATTERY C	CORRODED.							
2810		BEECH	CONT	BEECH		CAP	FAULTY		1/13/98
		G35	E2258	215107			MAIN FUEL		AU980013
	(AUS) MAIN FUEL	CAPS (20FF) FAULTY.							
213		BEECH	CONT	BEECH		TORQUE LINK	WORN		1/13/98
		G35	E2258	215107			MLG		AU980009
	(AUS) LANDING G	EAR TORQUE LINKS W	ORN EXCESSIVELY						
3222		BEECH	CONT	BEECH		BUSHING	WORN		1/13/98
		G35	E2258	215107			NLG STRUT		AU980012
	(AUS) NOSE LAND	DING GEAR STRUT ASS	EMBLY BUSHES WO	RN EXCESSIVELY.					
230		BEECH	CONT	BEECH	BEECH	BUSHING	WORN		1/13/98
		G35	E2258	215107	G35		NLG RETRACT		AU980016
	(AUS) NOSE LAND	DING GEAR DRAG BRAG	CE BUSHES WORN A	ND ONE ATTACHME	NT BOLT LOOSE.				
810		CESSNA	LYC	MCAULY		FUEL SYSTEM	CONTAMINATED		12/15/97
		R182	O540J3C5	B2D34C214			LT TANK		AU971583
	(AUS) LH FUEL TA	ANK AND FUEL SYSTEM	M CONTAMINATED V	WITH SUGAR.					
312		CESSNA				BULKHEAD	CRACKED		1/5/98
		182P					FWD DOOR POST		AU980021
	(AUS) FORWARD	DOOR POST BULKHEAD	D CRACKED. FOUND	DURING INSPECTIO	N IAW AD/CESSNA1	80/75 AMDT1.			
160		CESSNA	LYC	MCAULY		CLAMP	LOOSE		6/11/96
		R182	O540J3C5	B2D34C214	22500161	QS200	CARB INT		CA960620020
						SHED ON PROPERLY. THIS E A LOSS OF POWER AND			

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
2822		CESSNA	CONT			PUMP	FAULTY		12/5/97
		310R	IO520M			476411	FUEL BOOST		AU971645
	(AUS) FUEL TRAN	ISFER PUMP INTERNAI	L ELECTRICAL FAUL	T. FEED THROUGH W	IRE BROKEN AT SP	OT WELD.			
3231		CESSNA	CONT	MCAULY	CESSNA	ROD END	SEIZED		12/13/97
		310Q	IO470V	D2AF34C71	310Q	S11044	RT MLG DOOR		AU971627
	,	ANDING GEAR DOOR F ED DUE TO LACK OF LU		D BROKEN. DOOR CA	AUGHT THE NOSE C	GEAR DURING RETRACTION	N AND JAMMED THE NLG H.	ALFWAY I	JP.RODEND BEARING
5220		CESSNA		MCAULY		WINDOW	FAILED		12/20/97
		402CESSNA		3AF32C87		50111302	EMERGENCY EXIT		AU971634
	(AUS) EMERGENO WING SKIN.	CY EXIT WINDOW FAIL	ED AT THE TOP. AS	THE WINDOW SWUN	G DOWN IT TORE T	HROUGH THE TWO ATTAC	HMENT POINTS AND CAUSI	ED MINOR	DAMAGE TO THE
5540		CESSNA		MCAULY		BRACKET	CRACKED		11/12/97
		402A		3AF32C87	513300011	513300032	RUDDER HINGE		AU971616
	(AUS) LOWER RU	DDER HINGE ATTACH	MENT BRACKET CRA	ACKED. LOWER RUDI	DER RIB BADLY CO	RRODED.			
7810		CESSNA	CONT	MCAULY		EXHAUST PIPE	CRACKED		12/31/97
		402B	TSIO520E	3AF32C87		991030132	ENGINE COLLECTOR	OR	AU971636
	(AUS) RH ENGINE	INBOARD EXHAUST H	IEADER PIPE CRACK	ED UNDER CLAMP A	TFLANGE JOINT.				
5320		CESSNA		MCAULY	CESSNA	WEB	CRACKED		12/16/97
		404CESSNA		3FF32C501	C404	521304010	RT NOSE WELL		AU971608
	(AUS) RH NOSE W	HEEL WELL WEB CRA	CKED IN AREA OF N	LG ATTACHMENT FO	DRWARDTWO BOLT	HOLES.			
5320		CESSNA		MCAULY	CESSNA	WEB	CRACKED		12/16/97
		404CESSNA		3FF32C501	C404	52130409	LT NOSE WELL		AU971607
	(AUS) LH NOSE W	HEEL WELL WEB CRA	CKED IN AREA OF N	LG ATTACHMENT FO	RWARDTWO BOLT	HOLES.			
2750		CESSNA		MCAULY		CABLE	BROKEN		6/8/97
		421C		3FF32C501		500000861	TE FLAP CONTROL		AU971646
	(AUS) FLAP CABL	E SNAPPED.							
2910		CESSNA		HARTZL		PIPE	HOLED		1/13/98
		441		HCB3TN5		57270021	HYD MAIN		AU980023
	(AUS) HYDRAULI	C PIPE TO FLAP SELEC	TOR CONTAINED PIN	NHOLE LEAKS. LOSS	OF HYDRAULIC FLU	JID			
7930		MAULE	LYC			PRESSURE SENSOR	FAILED		10/9/96
		M7235	IO540W1A5				HOBBS METER		CA961030003
	(CAN) AIRCRAFT	LOST ALL OIL IN FLIG	HT DUE TO HOBBS M	IETER PRESSURE SEN	NSOR FAILURE.				
5512		MTSBSI		HARTZL	MTSBSI	SKIN	CRACKED		12/16/97
		MU2B30		HCB3TN5	MU2B30	528	HORIZONTAL STAB		AU971630
	` '	AL STABILISER LEADI ION IAW AD/MU2/35.	NG EDGE SKINS CRA	CKED. CRACKS ORIC	GINATE FROM RIB R	LIVETS FOR THE OUTBOAR	D ELEVATOR HINGE. CRAC	K LENGTH	50.8MM (2IN). FOUND

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5312		PARTEN	LYC	HARTZL		BULKHEAD	CRACKED		11/18/97
		P68B	IO360A1B6	HCC2YK2			FWD FUSELAGE		AU971623
		LKHEAD CRACKED THI ROUND HANDLING.	ROUGH TWO BOLT H	IOLES. FOUND FOLL	OWING REMOVAL (	OF THE UPPER NOSE LEG N	MOUNT PLATE DUE TO TOW	'ING DAMA	GE. DAMAGE CAUSED
5347		PIPER	LYC	HARTZL		SEAT TRACK	CORRODED		12/30/97
		PA28235	O540B4B5	HCC2YK1		6255704	RT OUTB SEAT		AU971591
	(AUS) RH OUTBO	ARD SEAT TRACK CON	TAINED EXFOLIATION	ON CORROSION.					
5520		PIPER		HARTZL		HINGE	CRACKED		1/12/98
		PA31350		HCE3YR2	4223104	4975802	ELEV RT INB		AU980008
	(AUS) ELEVATOR	HINGE INBOARD RH B	RACKET CRACKED	IN RADIUS.					
6120		PIPER	LYC	HARTZL		CABLE	BROKEN	6388	11/13/96
		PA31	TIO540A2C	HCE3YR2A		2489408	LT PROP PITCH		CA961120006
	,	O PITCH CONTROL CAE CONTROL WHEN ENGI			BROKE INSIDE CAS	SE AT BEGINNING OF THE	FLEXIBLE SECTION. SUBM	ITTER SUSP	ECTS THAT PILOT
7922		PIPER	LYC	HARTZL	LYC	VALVE	FAILED		9/25/97
		PA31350	LTIO540J2BD	HCE3YR2	53E22144	53E22144	THERMO BYPASS		AU971648
	(AUS) ENGINE OII	L SYSTEM THERMAL E	YPASS VALVE (VER	NATHERM) RETAINI	NG CLIP FAILED PR	EVENTING THE VALVE FR	OM CORRECT OPERATION		
5751		PIPER	LYC	HARTZL	PIPER	RIB	CRACKED		12/23/97
		PA32R301	IO540K1G5	HCC2YK1	LHAILERON	8639802	AILERON NOSE		AU971624
	(AUS) LH AILERO	N HINGE NOSE RIB CR	ACKED. CRACK LEN	GTH 40MM (1.57IN).A	ADDITIONAL CRACE	KING ALSO EVIDENT.			
3230		PIPER	LYC	HARTZL		MOUNT	CRACKED		12/26/97
		PA34200	IO360C1E6	HCC2YK2		9555123	MLG RETRACT		AU971620
	(AUS) NOSE LANI	OING GEAR MOUNT TU	BE TO CENTERING O	CHANNEL WELD FAIR	LED.				
5311		PIPER		SNSNCH		FRAME	CRACKED		7/29/97
		PA38112		74DM		7746709	FUSELAGE		AU971587
	(AUS) FUSELAGE	REAR SPAR FRAME CR	ACKED IN BOTH LO	WER CORNERS. FOU	ND DURING INSPEC	CTION IAW AD/PA38/25.			
7120		PIPER	LYC			MOUNT	CRACKED	5024	9/17/96
		PA44180	O360E1A6			86212002	LEFT ENGINE		CA960924031
	BEEN PREVIOUSL	LY CARRIED OUT AS HA	AD A MAGNETIC PAI	RTICLE INSPECTION.	NO HARD LANDING		AND THE LEFT LOWER MO TION FROM ENGINE. POSSIB ONE.		
5741		SOCATA	LYC	HARTZL	SOCATA	BRACKET	CRACKED		1/8/98
		TB10TOBAGO	O360A1A	HCC2YK1	TB10	TB1011034900	LT WING AFT		AU980003
	(AUS) LH WING R	EAR ATTACHMENT BR	ACKET BROKEN TH	ROUGH LOWER BOL	T HOLE. SUSPECT C	CAUSED BY UNREPORTED	HEAVY LANDING.		
3242		ZLIN				O-RING	FAILED	879	11/29/96
		Z242L			K2202007	155N607334	RT BRAKE CALIP		CA961230005
	(CAN) AFTER LAN	NDING THE RIGHT HAN	D BRAKE LOCKED.	ΓHE 'O' RING ON THE	BRAKE CALIPER C	OVER HAD FAILED.			

INTERNATIONAL.	SERVICE DIFFICULTY	REPORT SUMMARY	- AIRCRAFT (cont'd)

2/8/98 To 2/14/98 ISSUE: 98-07 ZAC-327

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3250		ZLIN				SPRING	BROKEN	659	10/10/96
		Z242L				Z4242170001	NOSE GEAR		CA961104010
	(CAN) PILOT REPO	RTED THAT THE RUDI	DER PEDALS WERE C	OFFSET WHEN NOSE	WHEEL WAS STRAI	GHT. THE LEFT NOSE WH	EEL STEERING SPRING	WAS FOUND B	ROKEN.

(End of INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - AIRCRAFT)

## <u>INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - HELICOPTERS</u>

2/8/98 - 2/14/98 ISSUE: 98-07 ZAC-327

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7722		BELL	PWA		PWA	HARNESS	FAULTY		1/9/98
		212	PT6T3B		PT6T3B	3038266	ENG. EGT/TIT		AU980024
	(AUS) NO2 ENGIN	E ITT (T5) HARNESS IN	TERMITTENT FAULT.						
6210		HUGHES	ALLSN			BLADE	DEBONDED		1/8/98
		369E	250C20B			369021100516A	M/R BLADE		AU980002
	(AUS) MAIN ROTO	OR BLADE DOUBLER DI	EBONDED IN AREA O	F BLADE ROOT LOW	VER SURFACE. DEPT	TH OF DEBOND 55MM (2.1	65IN).		
2910		SKRSKY	TMECA			HOSE	HOLED		12/16/97
		S76A	ARRIEL1S			SS48CT3A132000	MAIN HYD		AU971647
	(AUS) NO2 HYDRA	AULIC SYSTEM PRESSU	RE HOSE TO RETRAC	TION ACTUATOR C	ONTAINED A SMALI	L PIN HOLE LEAK.			
7261		SKRSKY	TMECA		TMECA	OIL SYSTEM	FLUCTUATES		10/22/97
		S76A	ARRIEL1S		ARRIEL1S	3527	ENGINE OIL		AU971635
	(AUS) LH ENGINE	VENTED OIL OVERBOA	ARD. OIL PRESSURE F	LUCTUATING.					
7322		SNIAS	TMECA			FCU	FAULTY		12/9/97
		AS332L	MAKILA1A			0164168190	NR 2 ENG FC	534	AU971654
	(AUS) NO2 ENGIN	E FUEL CONTROL UNIT	FAULTY.						
(End of IN	ΓERNATIONAL SEI	RVICE DIFFICULTY F	REPORT SUMMARY	' - HELICOPTERS)					

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
8530		CESSNA	CONT	MCAULY	CONT	CYLINDER	CRACKED		12/30/97
		210L	IO520L	E2A34C73	IO520L	570008	ENG NR 1 CYL	1382	AU971628
	(AUS) NO1 CYLINI	DER HEAD CRACKED.							
8500		CESSNA	CONT	MCAULY		ENGINE	MALFUNCTION		9/22/97
		402C	TSIO520VB	3AF32C87			RT ENGINE		AU971637
	(AUS) RH ENGINE	RUNNING ROUGH IN C	RUISE. GROUND RU	N COULD FIND NO F	AULT.				
8520		CESSNA	CONT	MCAULY	CONT	CRANKCASE	CRACKED		12/12/97
		404CESSNA	GTSIO520M	3FF32C501	GTSIO520M	276439R	ENGINE		AU971638
	(AUS) CRANKCAS	E CRACKED. FOUND D	URING INSPECTION I	AW TCM CSB 97-9.					
8520		DHAVXX	DHAVXX			CRANKSHAFT	CRACKED		12/29/97
		DH82AROBRTSN	GIPSYMAJOR1			447	ENGINE		AU971632
	(AUS) ENGINE CR.	ANKSHAFT CRACKED.	FOUND DURING ULT	RASONIC INSPECTION	ON IAW AD/DHE/18A	4.			
7532		EMB	PWA	HARTZL	PWA	BLEED VALVE	MALFUNCTION		1/7/98
		EMB110P1	PT6A34	HCB3TN3	PT6A346	310082903	LT ENG BLEED	2643	AU980006
	(AUS) LH ENGINE AIRSTRIPS.	BLEED VALVE DIRTY	CAUSING THE BLEEI	O VALVE TO STICK V	VHEN CLOSING RESU	JLTING IN COMPRESSOR	STALLS. AIRCRAFT OPERATES I	FROM	UNSEALED
7261		SKRSKY	TMECA		TMECA	OIL SYSTEM	FLUCTUATES		10/22/97
		S76A	ARRIEL1S		ARRIEL1S	3527	ENGINE OIL		AU971635
	(AUS) LH ENGINE	VENTED OIL OVERBOA	ARD. OIL PRESSURE	FLUCTUATING.					
(End of IN	TERNATIONAL SEI	RVICE DIFFICULTY I	REPORT SUMMAR	Y - ENGINES)					

## <u>INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - COMPONENTS</u>

2/8/98 - 2/14/98	ISSUE: 98-07	7.4 C-327
4/0/20 - 4/17/20	100001.00-07	

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3455		ВЕЕСН	CONT	BEECH	BEECH	ANTENNA	BROKEN		1/13/98
		G35	E2258	215107	G35		ADF SYSTEM		AU980014
	(AUS) ADF SENSOF	R ANTENNA BROKEN.							
2562		CESSNA	CONT	MCAULY		BATTERY	CORRODED		12/15/97
		207	IO520F	D3A34C404	E01	MN1300	EMERG LOCATOR		AU971590
	(AUS) ELT BATTER	RIES CORRODED AND I	LEAKING.						
(End of IN	ΓERNATIONAL SER	VICE DIFFICULTY F	REPORT SUMMAR	Y - COMPONENTS	)				

## INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - PROPELLERS

2/8/98 - 2/14/98 ISSUE: 98-07 ZAC-327

ATA REG. NO OPER SERIAL NO

ACFT MAKE ACFT MODEL ENG MAKE ENG MDL

PROP MAKE PROP MDL COMP MFG COMP MDL PART NAME PART NUMBER PART COND PART LOC.

TT DIFF. DATE
TSO OPER CONT NO

(There was no data for this report.)

(End of INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - PROPELLERS)



## SERVICE DIFFICULTY REPORT SUMMARY GENERAL AVIATION - INDEX



The following information provides a tally of the Service Difficulty Reports (SDR's) contained in this weeks issue of the General Aviation SDR Summary. The totals represent only a summation of the SDR's that were submitted to the FAA, Aviation Data Systems Branch, AFS-620, and processed in time for inclusion in the Summary. The first table is a tally of the number of SDR's submitted through the indicated Flight Standards District Office (FSDO). The second table sorts the SDR's by the aircraft or equipment make and model. The heading at the top of each table provides a two digit Joint Aircraft System/Component (JASC) code grouping (e.g., JASC codes 1100 thru 1800 are represented by the heading labeled 11-18) which categorizes in general, the problem areas for each reported discrepancy.

The Flight Standards Service Difficulty Program objective is to achieve prompt and appropriate correction of conditions adversely affecting continued airworthiness of aeronautical products. This is accomplished by the collection of Service Difficulty and Malfunction or Defect Reports. SDR's are consolidation and collation into common data base where they are analyzed for trends, problems, and alert information. This information is then disseminated to the appropriate segments of the aviation community and to other FAA offices.

The number of SDR's submitted is not an indicator of the mechanical reliability or fitness of an air carrier's aircraft fleet and should not be used as such. The air carriers certificate holding office has the primary responsibility for planning, programming evaluations, and assessing the performance of operators. Questions regarding an air carrier's fleet performance should be directed to the appropriate Flight Standards District Office, Certificate Management Office, or Certificate Management Unit.

## **GENERAL AVIATION SUMMARY INDEX BY DISTRICT OFFICE**

DISTRICT					TA SYSTEM				
OFFICE	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
AU S	0	8	6	0	12	1	9	4	40
CA	0	0	2	0	0	1	3	0	6
CE 07	0	0	0	0	1	0	0	0	1
EA 05	0	1	0	0	0	0	0	0	1
EA 09	0	3	1	0	3	0	0	0	7
EA 13	0	0	0	0	0	0	3	0	3
EA 21	0	1	0	0	0	0	0	0	1
GL 03	0	0	0	0	0	1	0	0	1
GL 07	0	0	0	0	0	3	0	0	3
GL 09	0	0	0	0	0	0	1	0	1
GL 11	0	0	1	0	0	0	1	0	2
GL 13	0	0	0	0	0	0	1	0	1
GL 15	0	0	0	0	3	1	0	0	4
GL 17	0	1	0	0	0	0	0	0	1
GL 23	0	0	0	0	1	1	0	1	3
GL 25	0	0	0	0	0	1	0	0	1
NE 01	0	1	0	0	0	0	0	0	1
NM 01	0	1	0	0	0	0	1	0	2
NM 03	0	0	0	0	5	0	0	0	5
NM 04	0	1	0	0	0	0	0	0	1
NM 07	0	0	0	0	0	2	0	0	2
NM 09	0	2	0	0	0	0	0	1	3
NM 11	0	3	2	0	2	15	7	0	29
NM 13	0	0	0	0	1	0	0	0	1
SO 15	0	0	0	0	1	0	0	0	1
SO 17	0	0	0	0	1	0	0	0	1

GENERAL AVI	ATION SUMMARY	INDEX by D	DISTRICT O	FFICE (cont'd)

2/8/98 To 2/14/98	ISSUE: 98-07	ZAC-327

DISTRICT OFFICE	11-18	21-29	SDR TOTA 30-38	LS BY FAA A 45-49	TA SYSTEM ( 51-57	CHAPTER 61-67	71-79	80-85	TOTAL
SO 33	0	0	0	0	3	0	0	0	3
SW 01	0	0	2	0	0	0	0	0	2
SW 03	0	4	13	0	0	12	16	0	45
SW 05	0	1	0	0	0	2	28	0	31
SW 09	0	0	0	0	0	0	1	0	1
SW 11	0	1	0	0	0	0	1	1	3
SW 15	0	0	1	0	1	1	0	0	3
SW 17	0	0	0	0	1	1	0	0	2
SW 19	0	0	0	0	0	2	0	2	4
SW 99	0	0	2	0	3	0	0	0	5
WP 01	0	0	0	0	3	1	0	0	4
WP 07	0	1	1	0	0	0	0	1	3
WP 13	0	0	0	0	0	1	0	0	1
WP 23	0	0	1	0	0	0	0	0	1
WP 25	0	0	1	0	0	0	0	0	1
TOTALS	0	29	33	0	41	46	72	10	231

(End of GENERAL AVIATION SUMMARY INDEX by DISTRICT OFFICE Report)

BELL

GENERAL .	AVIATION SUM	MARY INDEX	by MANU	FACTURER PACTURER	MAKE and	MODEL		2/8/98 To 2/1	4/98 ISSUE:	98-07 ZAC-327
AIRCRAFT MAKE	AIRCRAFT MODEL	11-18	21-29	SDR TOTA 30-38	LS BY FAA A 45-49	TA SYSTEM ( 51-57	CHAPTER 61-67	71-79	80-85	TOTAL
AMTR	MINI500	0	0	0	0	1	1	0	1	3
BEECH	200BEECH	0	0	0	0	8	0	3	0	11
ВЕЕСН	58	0	0	0	0	0	1	0	0	1
ВЕЕСН	99A	0	0	0	0	0	0	1	0	1
ВЕЕСН	A200	0	0	0	0	3	0	0	0	3
ВЕЕСН	A24R	0	0	0	0	0	3	0	0	3
ВЕЕСН	A36	0	1	0	0	0	0	1	0	2
ВЕЕСН	B35	0	0	0	0	0	1	0	0	1
ВЕЕСН	B95	0	0	0	0	0	0	1	0	1
ВЕЕСН	C24R	0	0	1	0	0	0	0	0	1
ВЕЕСН	D55	0	0	0	0	2	0	0	0	2
BEECH	E55	0	0	0	0	0	0	0	1	1
BEECH	G35	0	2	4	0	0	0	0	0	6
ВЕЕСН	S35	0	0	0	0	0	1	0	0	1
BELL	206B3	0	0	1	0	0	0	0	0	1
BELL	206B3	0	0	0	0	0	0	1	0	1
BELL	206BELL	0	0	0	0	0	1	0	0	1
BELL	206L	0	0	0	0	0	1	0	0	1
BELL	206L1	0	0	1	0	0	0	2	0	3
BELL	206L3	0	0	2	0	0	0	1	0	3
BELL	212	0	0	1	0	0	0	0	0	1
BELL	212	0	0	0	0	0	0	1	0	1
BELL	222U	0	0	0	0	0	0	3	0	3
BELL	222U	0	0	0	0	0	2	0	0	2
BELL	230	0	0	0	0	0	0	1	0	1
BELL	407	0	0	2	0	0	1	5	0	8

AIRCRAFT	AIRCRAFT	11.10	21.20			TA SYSTEM		<b>71 7</b> 0	00.05	TOTAL T
MAKE	MODEL	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
BELL	412	0	2	0	0	0	4	2	0	8
BOLKMS	BK117A1	0	0	0	0	0	0	1	0	1
BOLKMS	BK117A3	0	0	2	0	0	0	11	0	13
BOLKMS	BK117A4	0	0	0	0	0	0	14	0	14
BOLKMS	BK117B1	0	3	1	0	0	2	3	0	9
BOLKMS	BK117B2	0	0	1	0	0	0	2	0	3
BOLKMS	BK117C1	0	1	0	0	0	0	0	0	1
BOLKMS	BO105LSA3	0	0	0	0	0	0	1	0	1
BOLKMS	BO105S	0	0	0	0	0	2	3	0	5
CESSNA	150J	0	0	0	0	1	0	0	0	1
CESSNA	150M	0	0	0	0	0	0	1	0	1
CESSNA	172M	0	1	0	0	0	0	0	0	1
CESSNA	172R	0	1	0	0	1	0	0	0	2
CESSNA	172RG	0	0	1	0	0	0	0	0	1
CESSNA	175A	0	0	0	0	0	0	1	0	1
CESSNA	182F	0	1	0	0	0	0	0	0	1
CESSNA	182P	0	0	1	0	1	0	0	0	2
CESSNA	207	0	1	0	0	0	0	0	0	1
CESSNA	208B	0	0	0	0	1	0	0	0	1
CESSNA	210	0	0	0	0	1	0	0	0	1
CESSNA	210L	0	0	0	0	0	0	0	1	1
CESSNA	310Q	0	0	1	0	0	0	0	0	1
CESSNA	310R	0	2	1	0	0	0	0	0	3
CESSNA	340A	0	1	0	0	0	0	0	0	1
CESSNA	402A	0	0	0	0	1	0	0	0	1
CESSNA	402B	0	1	0	0	1	0	1	0	3
CESSNA	402C	0	0	0	0	0	0	0	1	1

AIRCRAFT	AIRCRAFT				LS BY FAA A					
MAKE	MODEL	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
CESSNA	402CESSNA	0	0	0	0	1	0	0	0	1
CESSNA	404CESSNA	0	0	0	0	2	0	0	1	3
CESSNA	414A	0	0	0	0	0	2	0	1	3
CESSNA	421B	0	0	1	0	0	0	0	0	1
CESSNA	421C	0	1	0	0	0	0	0	1	2
CESSNA	441	0	1	0	0	0	0	0	0	1
CESSNA	500CESSNA	0	0	0	0	1	0	0	0	1
CESSNA	550	0	1	0	0	0	0	0	0	1
CESSNA	P210N	0	0	1	0	0	0	0	0	1
CESSNA	R182	0	0	0	0	0	0	1	0	1
CESSNA	R182	0	2	0	0	0	0	0	0	2
CESSNA	T210L	0	0	1	0	0	0	0	0	1
DHAVXX	DH82AROBRTSN	0	0	0	0	0	0	0	1	1
DOUG	MD900	0	0	1	0	2	13	2	0	18
EMB	EMB110P1	0	0	0	0	0	0	1	0	1
GULSTM	500B	0	1	0	0	0	0	0	1	2
HUGHES	369D	0	0	0	0	0	0	2	0	2
HUGHES	369E	0	0	0	0	0	1	0	0	1
MAULE	M7235	0	0	0	0	0	0	1	0	1
MTSBSI	MU2B30	0	0	0	0	1	0	0	0	1
MTSBSI	MU2B60	0	0	0	0	1	0	0	0	1
PARTEN	P68B	0	0	0	0	1	0	0	0	1
PIPER	PA28151	0	0	0	0	0	1	0	0	1
PIPER	PA28235	0	0	0	0	1	0	0	0	1
PIPER	PA31	0	0	0	0	0	1	0	0	1
PIPER	PA31310	0	3	1	0	3	0	0	0	7
PIPER	PA31350	0	0	0	0	1	0	1	0	2

CENEDAL AVIATION	J CHIMMADY INDEX by	MANUFACTURER MAKE	and MODEL (cont'd)
TENERAL AVIATION	N SURVINIAR Y HNIJEA DV	MANUFALTUKEK MAKE	and MUDDEL (Conf.0)

2/8/98 To 2/14/98 ISSUE: 98-07 ZAC-327

AIRCRAFT	AIRCRAFT					TA SYSTEM				
MAKE	MODEL	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
PIPER	PA31P	0	0	0	0	0	0	0	1	1
PIPER	PA32R300	0	0	1	0	3	0	0	0	4
PIPER	PA32R301	0	0	0	0	1	0	1	0	2
PIPER	PA34200	0	1	1	0	0	0	0	0	2
PIPER	PA38112	0	0	0	0	1	0	0	0	1
PIPER	PA44180	0	0	0	0	0	0	1	0	1
PIPER	PA46350P	0	0	1	0	0	0	0	0	1
PIPER	PA60602P	0	0	1	0	0	0	0	0	1
SKRSKY	S76A	0	1	2	0	0	4	0	0	7
SKRSKY	S76A	0	1	0	0	0	0	1	0	2
SNIAS	AS332L	0	0	0	0	0	0	1	0	1
SNIAS	AS350B2	0	0	0	0	0	2	0	0	2
SOCATA	TB10TOBAGO	0	0	0	0	1	0	0	0	1
SOCATA	TBM700	0	0	0	0	0	1	0	0	1
ZLIN	Z242L	0	0	2	0	0	0	0	0	2
	TOTALS	0	29	33	0	41	46	72	10	231

(End of AIR CARRIER SUMMARY INDEX by OPERATOR Report)

## JOINT AIRCRAFT SYSTEM/COMPONENT CODE TABLE

## **PREFACE**

The Joint Aircraft System/Component (JASC) Code Table is a modified version of the Air Transport Association of America (ATA), Specification 100 code. It was developed by the Federal Aviation Administration's (FAA), Aviation Data Systems Branch (AFS-620). Technical support was provided by the Galaxy Scientific Corporation, and various representatives of the air carrier and general aviation community.

Over the past four years, the JASC format of the ATA Spec 100 code has gained widespread industry acceptance. In a harmonized effort, the FAA's counterparts in Australia and Canada have adopted the JASC code with only a few exceptions. Some Canadian aircraft manufacturers have also recently adopted this new stardard.

This code table is constructed by using the new JASC four (4) digit code, along with an abbreviated code title. The abbreviated titles have been modified in some cases to clarify the intended use of the accompanying code. This table can be used as a quick reference chart, to assist in the coding and review of aircraft structures or systems data (i.e., Service Difficulty Report (SDR), Accident/Incident Report).

The current coding scheme used in the JASC code was introduced in May 1991, for the technical classification of SDR's. Its predecessor, the FAA aircraft system/component code, was a similar but more complex eight-digit code which was developed over 25 years ago. It was constructed around the computer technology of that period. It consisted of a four digit numerical code plus a four alpha character code to make data retrieval possible. Since that time, computer technology has advanced many fold. Reducing the code from eight to four characters simplifies coding, and in some cases, makes JASC coding match the ATA Specification 100 first three digits, which are used to identify aircraft systems. The ATA code does not reference the fourth digit, so it is free to be used for identifying components.

The JASC code aircraft structural section has increased due to problems inherent with aging aircraft. As an example, FAA code 5301 SXBD was expanded to 20 items due to the high rate of reporting in this area (8021 structural reports were received in 1989). In some instances, there was very little reporting and codes were combined into other systems if the safety impact was not significant. The overall reduction in codes has been from 568 FAA codes to 488 JASC codes, with the significant increase being in the structural area as stated earlier.

The JASC code divides the engine section into two major code groups to separate the turbine and reciprocating engines. The codes for the turbine engines are in JASC Chapter 72, Turbine/Turboprop Engine. The codes for the reciprocating engines are now exclusively found in JASC Chapter 85, Reciprocating Engine.

The other major deviation from ATA Spec 100 is in ATA section 2730, specifically involves the stall warning system. Early technology (primarily on smaller aircraft) directly linked the sensing of flight attitude to one of the components which furnished the means of manually controlling the flight attitude characteristics (elevator). Today, most large transport category aircraft utilize electronic units to sense the change in the environmental condition called stall, and use the data to influence navigation. ATA section 3410, Flight Environment Data, includes high speed warning in its code definition. Stall warning (low speed) is the reciprocal term of high speed warning, so its filing under the same code appears more logical. Thus, with the JASC code it was decided to move the stall warning system to Chapter 34 under the separate code JASC code 3418, Stall Warning System.

The FAA is continuing to pursue worldwide involvement from operators and manufacturers in addressing the need for international standardization of aircraft system/component codes. The ultimate goal is to develop a universal aircraft/component numbering standard which can be used in the manufacturer's maintenance manual, wiring diagram manual, system manuals and illustrated parts catalog. This harmonized standard must be a usable standard for the aircraft manufacturers, air carrier operators and the general aviation community.

We welcome comments and feedback regarding the possible forming of working groups to achieve this long range consideration of possibly harmonizing the ATA Specification 100 code and the JASC code. Comments may be directed to the FAA, Aviation Data Sytem Branch, AFS-620, P.O. Box 25082, Oklahoma City, OK 73125.

# **JOINT AIRCRAFT SYSTEM/COMPONENT CODE TABLE**

## JASC/ TITLE

2170 HUMIDITY CONTROL SYSTEM

11 PLACARDS AND	MARKINGS 22	AUTO FLIGHT	24 E	LECTRICAL POWER CONT'D
1100 PLACARDS AND N	MARKINGS 2200	AUTO FLIGHT SYSTEM	2424	AC REGULATOR
	2210		2425	AC INDICATING SYSTEM
12 SERVICING	2211	AUTOPILOT COMPUTER	2430	DC GENERATING SYSTEM
<u> 12 021(11011(0</u>	2212	ALTITUDE CONTROLLER	2431	BATTERY OVERHEAT WARN. SYSTEM
1010 51151 0551/101110	2213	FLIGHT CONTROLLER	2432	BATTERY/CHARGER SYSTEM
1210 FUEL SERVICING	2214	AUTOPILOT TRIM INDICATOR	2433	DC RECTIFIER-CONVERTER
1220 OIL SERVICING	2215	AUTOPILOT MAIN SERVO	2434	DC GENERATOR-ALTERNATOR
1230 HYDRAULIC FLUID	2216	AUTOPILOT TRIM SERVO	2435	STARTER-GENERATOR
1240 COOLANT SERVIC	ING 2220	SPEED-ATTITUDE CORRECT. SYSTEM	2436	DC REGULATOR
40 HELICOPTED VIDE	2230	AUTO THROTTLE SYSTEM	2437	DC INDICATING SYSTEM
18 HELICOPTER VIBE	2250	A ERODYNAMIC LOAD ALLEVIATING	2440	EXTERNAL POWER SYSTEM
1800 HELICOPTER VIB/I	NOISE ANALYSIS		2450	AC POWER DISTRIBUTION SYSTEM
1810 HELICOPTER VIBR	ATION ANALYSIS 23	COMMUNICATIONS	2460	DC POWER/DISTRIBUTION SYSTEM
1820 HELICOPTER NOIS	E ANALYSIS			
24 AIR CONDITIONIA	2300		<u> 25 E</u>	QUIPM ENT/FURNISHINGS
21 AIR CONDITIONIN			0500	CARIN FOURMENT/FURNIOUMO
2100 AIR CONDITIONIN	G SYSTEM 2311	UHF COMMUNICATION SYSTEM	2500	CABIN EQUIPMENT/FURNISHINGS
2110 CABIN COMPRESS	2312	VHF COMMUNICATION SYSTEM	2510	FLIGHT COMPARTMENT EQUIPMENT
2120 AIR DISTRIBUTION	2220	DATA TRANSMISSION AUTO CALL	2520	PASSENGER COMPARTMENT EQUIPMENT
2121 AIR DISTRIBUTION	2330	ENTERTAINMENT SYSTEM	2530	BUFFET/GALLEYS
	CONTROL SYSTEM 2340	INTERPHONE & PA SYSTEM	2540	LAVATORIES
2131 CABIN PRESSURE	2250	AUDIO INTEGRATING SYSTEM	2550	CARGO COMPARTMENTS
2132 CABIN PRESSURE	2260	STATIC DISCHARGE SYSTEM	2551	AGRICULTURAL SPRAY SYSTEM
	/OUTFLOW VALVE 2370	AUDIO/VIDEO MONITORING	2560	EMERGENCY EQUIPMENT
2134 CABIN PRESSURE		ELECTRICAL POWER	2561	LIFE JACKET
2140 HEATING SYSTEM	- · · ·	<u> LEEGTRIOAL TOWER</u>	2562	EMERGENCY LOCATOR BEACON
2150 CABIN COOLING S		ELECTRICAL POWER SYSTEM	2563	PARACHUTE
	URE CONTROL SYSTEM 2410	ALTERNATOR-GENERATOR DRIVE	2564	LIFE RAFT
	URE CONTROLLER 2420		2565	ESCAPE SLIDE
2162 CABIN TEMPERAT			2570	ACCESSORY COMPARTMENT
2163 CABIN TEMPERAT	****		2571	BATTERY BOX STRUCTURE
	0112 02110011		2572	ELECTRONIC SHELF SECTION

2423 PHASE ADAPTER

26 FIRE PROTECTION	29 F	HYDRAULIC POWER	<u>32 L</u>	ANDING GEAR
2600 FIRE PROTECTION SYSTEM	2900	HYDRAULIC POWER SYSTEM	3200	LANDING GEAR SYSTEM
2610 DETECTION SYSTEM	2910	HYDRAULIC, MAIN SYSTEM	3201	LANDING GEAR/WHEEL FAIRING
2611 SMOKE DETECTION	2911	HYDRAULIC POWER-ACCUMULATOR-MAIN	3210	MAIN LANDING GEAR
2612 FIRE DETECTION	2912	HYDRAULIC FILTER-MAIN SYSTEM	3211	MAIN LANDING GEAR ATTACH SECTION
2613 OVERHEAT DETECTION	2913	HYDRAULIC PUMP. ELECT-ENGMAIN	3212	EMERGENCY FLOTATION SECTION
2620 EXTINGUISHING SYSTEM	2914	HYDRAULIC HANDPUMP-MAIN	3213	MAIN LANDING GEAR STRUT/AXLE/TRUCK
2621 FIRE BOTTLE, FIXED	2915	HYDRAULIC PRESSURE RELIEF VLV-MAIN	3220	NOSE/TAIL LANDING GEAR
2622 FIRE BOTTLE, PORTABLE	2916	HYDRAULIC RESERVOIR-MAIN	3221	NOSE/TAIL LANDING GEAR ATTACH SECTION
AZ FILOUT CONTROLO	2917	HYDRAULIC PRESSURE REGULATOR-MAIN	3222	NOSE/TAIL LANDING GEAR STRUT/AXLE
27 FLIGHT CONTROLS	2920	HYDRAULIC, AUXILIARY SYSTEM	3230	LANDING GEAR RETRACT/EXT. SYSTEM
2700 FLIGHT CONTROL SYSTEM	2921	HYDRAULIC ACCUMULATOR-AUXILIARY	3231	LANDING GEAR DOOR RETRACT SECTION
2701 CONTROL COLUMN SECTION	2922	HYDRAULIC FILTER-AUXILIARY	3232	LANDING GEAR DOOR ACTUATOR
2710 AILERON CONTROL SYSTEM	2923	HYDRAULIC PUMP-AUXILIARY	3233	LANDING GEAR ACTUATOR
2711 AILERON TAB CONTROL SYSTEM	2925	HYDRAULIC PRESSURE RELIEF-AUXILIARY	3234	LANDING GEAR SELECTOR
2720 RUDDER CONTROL SYSTEM	2926	HYDRAULIC RESERVOIR-AUXILIARY	3240	LANDING GEAR BRAKE SYSTEM
2721 RUDDER TAB CONTROL SYSTEM	2927	HYDRAULIC PRESSURE REGULATOR-AUX.	3241	BRAKE ANTI-SKID SECTION
2722 RUDDER ACTUATOR	2930	HYDRAULIC SYSTEM INDICATING	3242	BRAKE
2730 ELEVATOR CONTROL SYSTEM	2931	HYDRAULIC PRESSURE INDICATOR	3243	MASTER CYL/BRAKE VALVE
2731 ELEVATOR TAB CONTROL SYSTEM	2932	HYDRAULIC PRESSURE SENSOR	3244	TIRE
2740 STABILIZER CONTROL SYSTEM	2933	HYDRAULIC QUANTITY INDICATOR	3245	TIRE TUBE
2741 STABILIZER POSITION INDICATING	2934	HYDRAULIC QUANTITY SENSOR	3246	WHEEL/SKI/FLOAT
2742 STABILIZER ACTUATOR	30 I	CE AND RAIN PROTECTION	3250	LANDING GEAR STEERING SYSTEM
2750 TE FLAP CONTROL SYSTEM			3251	STEERING UNIT
2751 TE FLAP POSITION IND. SYSTEM	3000	ICE/RAIN PROTECTION SYSTEM	3252	SHIMMY DAMPER
2752 TE FLAP ACTUATOR	3010	AIRFOIL ANTI/DE-ICE SYSTEM	3260	LANDING GEAR POSITION & WARNING
2760 DRAG CONTROL SYSTEM	3020	AIR INTAKE ANTI/DE-ICE SYSTEM	3270	AUXILIARY GEAR (TAIL SKID)
2761 DRAG CONTROL ACTUATOR	3030	PITOT/STATIC ANTI-ICE SYSTEM	33 I	<u>IGHTS</u>
2770 GUST LOCK/DAMPER SYSTEM	3040	WINDSHIELD/DOOR RAIN/ICE REMOVAL		
2780 LE FLAP CONTROL SYSTEM	3050	ANTENNA/RADOME ANTI-ICE/DE-ICE SYSTEM	3300	LIGHTING SYSTEM
2781 LE FLAP POSITION IND. SYSTEM	3060	PROP/ROTOR ANTI-ICE/DE-ICE SYSTEM	3310	FLIGHT COMPARTMENT LIGHTING
2782 LE FLAP ACTUATOR	3070	WATER LINE ANTI-ICE SYSTEM	3320	PASSENGER COMPARTMENT LIGHTING
28 FUEL	3080	ICE DETECTION	3330	CARGO COMPARTMENT LIGHTING
2800 AIRCRAFT FUEL SYSTEM	<u>31 I</u>	<u>NSTRUMENTS</u>	3340 3350	EXTERIOR LIGHTING EMERGENCY LIGHTING
2810 FUEL STORAGE	3100	INDICATING/RECORDING SYSTEM		
2820 ACFT FUEL DISTRIB. SYSTEM	3110	INSTRUMENT PANEL	<u>34 N</u>	AVIGATION
2821 ACFT FUEL FILTER/STRAINER	3120	INDEPENDENT INSTRUMENTS (CLOCK, ETC.)	3400	NAVIGATION SYSTEM
2822 FUEL BOOST PUMP	3130	DATA RECORDERS (FLT/MAINT)	3410	FLIGHT ENVIRONMENT DATA
2823 FUEL SELECTOR/SHUTOFF VALVE	3140	CENTRAL COMPUTERS (EICAS)	3411	PITOT/STATIC SYSTEM
2824 FUEL TRANSFER VALVE	3150	CENTRAL WARNING	3412	OUTSIDE AIR TEMP. IND./SENSOR
2830 FUEL DUMP SYSTEM	3160	CENTRAL DISPLAY	3413	RATE OF CLIMB INDICATOR
2840 ACFT FUEL INDICATING	3170	AUTOMATIC DATA	3414	AIRSPEED/MACH INDICATING
2841 FUEL QUANTITY INDICATOR			3415	HIGH SPEED WARNING
2842 FUEL QUANTITY SENSOR			3416	ALTIMETER, BAROMETRIC/ENCODER
2843 FUEL TEMPERATURE INDICATING				

2844 FUEL PRESSURE INDICATOR

34 NAVIGATION CONT'D	37 VACUUM	5247 APU DOORS
3417 AIR DATA COMPUTER	3700 VACUUM SYSTEM	5248 TAIL CONE DOORS
3418 STALL WARNING SYSTEM	3710 VACUUM DISTRIBUTION SYSTEM	5250 FIXED INNER DOORS
3420 ATTITUDE AND DIRECTION DAT	A SYSTEM 3720 VACUUM INDICATING SYSTEM	5260 ENTRANCE STAIRS
3421 ATTITUDE GYRO & IND. SYSTEM	1	5270 DOOR WARNING SYSTEM
3422 DIRECTIONAL GYRO & IND. SYS	38 WAIER/WASIE	5280 LANDING GEAR DOORS
3423 MAGNETIC COMPASS	3800 WATER & WASTE SYSTEM	53 FUSELAGE
3424 TURN & BANK/RATE OF TURN II	NDICATOR 3810 POTABLE WATER SYSTEM	5300 FUSELAGE STRUCTURE (GENERAL)
3425 INTEGRATED FLT. DIRECTOR SY	STEM 3820 WASH WATER SYSTEM	5301 AERIAL TOW EQUIPMENT
3430 LANDING & TAXI AIDS	3830 WASTE DISPOSAL SYSTEM	5302 ROTORCRAFT TAIL BOOM
3431 LOCALIZER/VOR SYSTEM	3840 AIR SUPPLY (WATER PRESS. SYSTEM	M) 5310 FUSELAGE MAIN STRUCTURE
3432 GLIDE SLOPE SYSTEM 3433 MICROWAVE LANDING SYSTEM	45 CENTRAL MAINT. SYSTEM	5311 FUSELAGE MAIN FRAME 5312 FUSELAGE MAIN BULKHEAD
3434 MARKER BEACON SYSTEM	4500 CENTRAL MAINT. COMPUTER	5312 FUSELAGE MAIN BULKHEAD 5313 FUSELAGE MAIN LONGERON/STRINGER
3435 HEADS UP DISPLAY SYSTEM	OENTINE MINISTER	5314 FUSELAGE MAIN KEEL
3436 WIND SHEAR DETECTION SYSTI	49 AIRBORNE AUXILIARY POWER	5314 FUSELAGE MAIN REEL 5315 FUSELAGE MAIN FLOOR BEAM
3440 INDEPENDENT POS. DETERMINI	NO CYCTEM	5320 FUSELAGE MISCELLANEOUS STRUCTURE
3441 INERTIAL GUIDANCE SYSTEM	4900 AINBONNE AFO STSTEM	5321 FUSELAGE FLOOR PANEL
3442 WEATHER RADAR SYSTEM	4910 A PU COW LING/CONTAINMENT	5322 FUSELAGE INTERNAL MOUNT STRUCTURE
3443 DOPPLER SYSTEM	4920 APU CORE ENGINE	5323 FUSELAGE INTERNAL STAIRS
3444 GROUND PROXIMITY SYSTEM	4930 A PU ENGINE FUEL & CONTROL	5324 FUSELAGE FIXED PARTITIONS
3445 AIR COLLISION AVOIDANCE SY	4940 A PU START/IGNITION SYSTEM STEM (TCAS) 4950 A PU BLEED AIR SYSTEM	5330 FUSELAGE MAIN PLATE/SKIN
3446 NON RADAR WEATHER SYSTEM	4930 AFO BEEED AIR STOTEM	5340 FUSELAGE MAIN ATTACH FITTINGS
3450 DEPENDENT POSITION DETERM	NINC SYSTEM 4900 AFO CONTROLS	5341 WING ATTACH FITTINGS (ON FUSELAGE)
3451 DME/TACAN SYSTEM	4970 APO INDICATING SYSTEM	5342 STABILIZER ATTACH FITTINGS
3452 ATC TRANSPONDER SYSTEM		5343 LANDING GEAR ATTACH FITTINGS
3453 LORAN SYSTEM	4990 APU OIL SYSTEM	5344 FUSELAGE DOOR HINGES
3454 VOR SYSTEM	51 STANDARD PRACTICES/STRUCT	
3455 ADF SYSTEM		5346 DOWEDDIANT ATTACH FITTINGS
3456 OMEGA NAVIGATION SYSTEM	5100 STANDARD PRACTICES/STRUCTURE	5347 SEAT/CARGO ATTACH FITTINGS
3457 GLOBAL POSITIONING SYSTEM	5101 AIRCRAFT STRUCTURES	5350 FUSELAGE AERODYNAMIC FAIRINGS
3460 FLIGHT MANAGE. COMPUTING	SYSTEM 5102 BALLOON REPORTS	54 NACELLES/PYLONS
25 OVVCEN	52 DOORS	
35 OXYGEN	<u>52 DOORS</u>	5400 NACELLE/PYLON STRUCTURE
3500 OXYGEN SYSTEM	5200 DOORS	5410 MAIN FRAME (ON NACELLE/PYLON)
3510 CREW OXYGEN SYSTEM	5210 PASSENGER/CREW DOORS	5411 FRAME/SPAR/RIB(NACELLE/PYLON)
3520 PASSENGER OXYGEN SYSTEM	5220 EMERGENCY EXIT	5412 BULKHEAD/FIREWALL (NAC/PYLON)
3530 PORTABLE OXYGEN SYSTEM	5230 CARGO/BAGGAGE DOORS	5413 LONGERON/STRINGER (NAC/PYLON)
36 PNEUMATIC	5240 SERVICE DOORS	5414 PLATE SKIN (NAC/PYLONS)
	5241 GALLEY DOORS	5415 ATTACH FITTINGS (NAC/PYLON)
3600 PNEUMATIC SYSTEM	5242 F/E COMPARTMENT DOORS	<u>55 STABILIZERS</u>
3610 PNEUMATIC DISTRIBUTION SYS	TEM 5243 HYDRAULIC COMPARTMENT DOORS	5500 EMPENNAGE STRUCTURE
3620 PNEUMATIC INDICATING SYSTE	M 5244 ACCESSORY COMPARTMENT DOORS	
	5245 AIR CONDITIONING COMPART. DOOR	RS 5511 HORIZONTAL STABILIZER SPAR/RIB
	5246 FLUID SERVICE DOORS	5512 HORIZONTAL STABILIZER PLATE/SKIN
		5513 HORIZONTAL STABILIZER TAB STRUCTURE
		5520 ELEVATOR STRUCTURE

55 STABILIZERS CONT'D	61 PROPELLERS/PROPULSORS	67 ROTORS FLIGHT CONTROL
5521 ELEVATOR SPAR/RIB STRUCTURE	6100 PROPELLER SYSTEM	6700 ROTORCRAFT FLIGHT CONTROL
5522 ELEVATOR PLATES/SKIN STRUCTURE	6110 PROPELLER ASSEMBLY	6710 MAIN ROTOR CONTROL
5523 ELEVATOR TAB STRUCTURE	6111 PROPELLER BLADE SECTION	6711 TILT ROTOR FLIGHT CONTROL
5530 VERTICAL STABILIZER STRUCTURE	6112 PROPELLER DE-ICE BOOT SECTION	6720 TAIL ROTOR CONTROL SYSTEM
5531 VERTICAL STABILIZER SPAR/RIB STRUCTURE	6113 PROPELLER SPINNER SECTION	6730 ROTORCRAFT SERVO SYSTEM
5532 VERTICAL STABILIZER PLATES/SKIN	6114 PROPELLER HUB SECTION	
5533 VENTRAL STRUCTURE (ON VERT. STAB)	6120 PROPELLER CONTROL SYSTEM	71 POWERPLANT
5540 RUDDER STRUCTURE	6121 PROPELLER SYNCHRONIZER SECTION	7100 POWERPLANT SYSTEM
5541 RUDDER SPAR/RIB STRUCTURE	6122 PROPELLER GOVERNOR	7110 ENGINE COWLING SYSTEM
5542 RUDDER PLATE/SKIN STRUCTURE	6123 PROPELLER FEATHERING/REVERSING	7111 COWL FLAP SYSTEM
5543 RUDDER TAB STRUCTURE	6130 PROPELLER BRAKING	7112 ENGINE AIR BAFFLE SECTION
5550 EMPENNAGE FLT. CONT. ATTACH FITTING	6140 PROPELLER INDICATING SYSTEM	7120 ENGINE MOUNT SECTION
5551 HORIZONTAL STABILIZER ATTACH FITTING		7130 ENGINE FIRESEALS
5552 ELEVATOR/TAB ATTACH FITTINGS	62 MAIN ROTOR	7160 ENGINE AIR INTAKE SYSTEM
5553 VERT. STAB. ATTACH FITTINGS	6200 MAIN ROTOR SYSTEM	7170 ENGINE DRAINS
5554 RUDDER/TAB ATTACH FITTINGS	6210 MAIN ROTOR BLADES	
	6220 MAIN ROTOR HEAD	72 TURBINE/TURBOPROP ENGINE
56 WINDOWS	6230 MAIN ROTOR MAST/SWASHPLATE	7200 ENGINE (TURBINE/TURBOPROP)
5600 WINDOW/WINDSHIELD SYSTEM	6240 MAIN ROTOR INDICATING SYSTEM	7210 TURBINE ENGINE REDUCTION GEAR
5610 FLIGHT COMPARTMENT WINDOWS		7220 TURBINE ENGINE AIR INLET SECTION
5620 PASSENGER COMPARTMENT WINDOWS	63 MAIN ROTOR DRIVE	7230 TURBINE ENGINE COMPRESSOR SECTION
5630 DOOR WINDOWS	6300 MAIN ROTOR DRIVE SYSTEM	7240 TURBINE ENGINE COMBUSTION SECTION
5640 INSPECTION WINDOWS	6310 ENGINE/TRANSMISSION COUPLING	7250 TURBINE SECTION
3040 MOI EOTION WINDOWS	6320 MAIN ROTOR GEARBOX	7260 TURBINE ENGINE ACCESSORY DRIVE
57 WINGS	6321 MAIN ROTOR BRAKE	7261 TURBINE ENGINE OIL SYSTEM
5700 WING STRUCTURE	6322 ROTORCRAFT COOLING FAN SYSTEM	7270 TURBINE ENGINE BYPASS SECTION
5710 WING MAIN FRAME STRUCTURE	6330 MAIN ROTOR TRANSMISSION MOUNT	
5711 WING SPAR STRUCTURE	6340 ROTOR DRIVE INDICATING SYSTEM	73 ENGINE FUEL & CONTROL
5712 WING STAR STRUCTURE		7300 ENGINE FUEL & CONTROL
5713 WING KID STRUCTURE 5713 WING LONGERON/STRINGER	64 TAIL ROTOR	7310 ENGINE FUEL DISTRIBUTION
5714 WING CENTER BOX	6400 TAIL ROTOR SYSTEM	7311 ENGINE FUEL-OIL COOLER
5720 WING MISCELLANEOUS STRUCTURE	6410 TAIL ROTOR BLADE	7312 FUEL HEATER
5730 WING PLATES/SKINS	6420 TAIL ROTOR HEAD	7313 FUEL INJECTOR NOZZLE
5740 WING ATTACH FITTINGS	6440 TAIL ROTOR INDICATING SYSTEM	7314 ENGINE FUEL PUMP
5741 WING, FUSELAGE ATTACH FITTINGS		7320 FUEL CONTROLLING SYSTEM
5742 WING, NAC/PYLON ATTACH FITTINGS	65 TAIL ROTOR DRIVE	7321 FUEL CONTROL/ELECTRONIC
5743 WING, LANDING GEAR ATTACH FITTINGS		7322 FUEL CONTROL/CARBURETOR
5744 CONTROL SURFACE ATTACH FITTINGS	6500 TAIL ROTOR DRIVE SYSTEM	7323 TURBINE GOVERNOR
5750 WING CONTROL SURFACE STRUCTURE	6510 TAIL ROTOR DRIVE SHAFT	7324 FUEL DIVIDER
5751 AILERON STRUCTURE	6520 TAIL ROTOR GEARBOX	7330 ENGINE FUEL INDICATING SYSTEM
5751 AILERON STRUCTURE	6540 TAIL ROTOR DRIVE INDICATING SYSTEM	7331 FUEL FLOW INDICATING
5753 TE FLAP STRUCTURE		7332 FUEL PRESSURE INDICATING
5754 LEADING EDGE DEVICE STRUCTURE		7333 FUEL FLOW SENSOR
5755 SPOILER STRUCTURE		7333 FUEL PRESSURE SENSOR
3733 SPUILER STRUCTURE		1007 I DEL I NEODONE DENDON

74	<u>IGNITION</u>	<u>78 E</u>	ENGINE EXHAUST	8530	RECIPROCATING ENGINE CYLINDER SECTION
7400	IGNITION SYSTEM	7800	ENGINE EXHAUST SYSTEM	8540	RECIPROCATING ENGINE REAR SECTION
7410	IGNITION POWER SUPPLY	7810	ENGINE COLLECTOR/TAILPIPE/NOZZLE	8550	RECIPROCATING ENGINE OIL SYSTEM
7411	LOW TENSION COIL	7820	ENGINE NOISE SUPPRESSOR		
7412	EXCITER	7830	THRUST REVERSER		
7413	INDUCTION VIBRATOR				
7414	MAGNETO/DISTRIBUTOR	79 I	ENGINE OIL		
7420	IGNITION HARNESS (DISTRIBUTION)	<u> </u>			
7421	SPARK PLUG/IGNITER	7900	ENGINE OIL SYSTEM (AIRFRAME)		
7430	IGNITION SWITCHING	7910	ENGINE OIL STORAGE (AIRFRAME)		
		7920	ENGINE OIL DISTRIBUTION (AIRFRAME)		
<u>75</u>	<u>AIR</u>	7921	ENGINE OIL COOLER		
7500	ENGINE BLEED AIR SYSTEM	7922	ENGINE OIL TEMP. REGULATOR		
7510	ENGINE ANTI-ICING SYSTEM	7923	OIL SHUTOFF VALVE		
7520	ENGINE COOLING SYSTEM	7930	ENGINE OIL INDICATING SYSTEM		
	COM PRESSOR BLEED CONTROL	7931	ENGINE OIL PRESSURE		
7530	COMPRESSOR BLEED CONTROL  COMPRESSOR BLEED GOVERNOR	7932	ENGINE OIL QUANTITY		
7531	COMPRESSOR BLEED GOVERNOR  COMPRESSOR BLEED VALVE	7933	ENGINE OIL TEMPERATURE		
7532					
7540	BLEED AIR INDICATING SYSTEM	80 9	<u>STARTING</u>		
<u>76</u>	ENGINE CONTROLS	8000	ENGINE STARTING SYSTEM		
7600	ENGINE CONTROLS	8010	ENGINE CRANKING		
7600	ENGINE CONTROLS  ENGINE SYNCHRONIZING	8011	ENGINE STARTER		
7601		8012	ENGINE START VALVES/CONTROLS		
7602	MIXTURE CONTROL	0012	ENGINE OTAKT VALVEO/OONTROLO		
7603	POWER LEVER	81	TURBOCHARGING		
7620	ENGINE EMERGENCY SHUTDOWN SYSTEM		<u> </u>		
77	ENGINE INDICATING	8100	EXHAUST TURBINE SYSTEM (RECIP)		
		8110	POWER RECOVERY TURBINE (RECIP)		
7700	ENGINE INDICATING SYSTEM	8120	EXHAUST TURBOCHARGER		
7710	POWER INDICATING SYSTEM				
7711	ENGINE PRESSURE RATIO (EPR)	<u>82</u>	WATER INJECTION		
7712	ENGINE BM EP/TORQUE INDICATING	8200	WATER INJECTION SYSTEM		
7713	MANIFOLD PRESSURE (MP) INDICATING				
7714	ENGINE RPM INDICATING SYSTEM	83	ACCESSORY GEARBOXES		
7720	ENGINE TEMP. INDICATING SYSTEM	8300	ACCESSORY GEARBOXES		
7721	CYLINDER HEAD TEMP (CHT) INDICATING	0000	NOOLOGOKT GEMIDONEG		
7722	ENG. EGT/TIT INDICATING SYSTEM	8.5	RECIPROCATING ENGINE		
7730	ENGINE IGNITION ANALYZER SYSTEM				
7731	ENGINE IGNITION ANALYZER	8500	ENGINE (RECIPROCATING)		
7732	ENGINE VIBRATION ANALYZER	8510	RECIPROCATING ENGINE FRONT SECTIO		
7740	ENGINE INTEGRATED INSTRUMENT SYSTEM	8520	RECIPROCATING ENGINE POWER SECTION	N	

## **MECHANICS CREED**

UPON MY HONOR I swear that I shall hold in sacred trust the rights and privileges conferred upon me as a certified mechanic. Knowing full well that the safety and lives of others are dependent upon my skill and judgment, I shall never knowingly subject others to risks which I would not be willing to assume for myself, or for those dear to me.

IN DISCHARGING this trust, I pledge myself never to undertake work or approve work which I feel to be beyond the limits of my knowledge; nor shall I allow any non-certificated superior to persuade me to approve aircraft or equipment as airworthy against my better judgment; nor shall I permit my judgment to be influenced by money or other personal gain; nor shall I pass as airworthy aircraft or equipment about which I am in doubt, either as a result of direct inspection or uncertainty regarding the ability of others who have worked on it to accomplish their work satisfactorily.

I REALIZE the grave responsibility which is mine as a certified airman, to exercise my judgment on the airworthiness of aircraft and equipment. I, therefore, pledge unyielding adherence to these precepts for the advancement of aviation and for the dignity of my vocation.